

7.3. Institutional Distinctiveness

Empowering Faculty Members to enhance the Teaching Learning Process

Faculty development is an essential element of institutional effectiveness. The extent to which the institution supports faculty development will be strongly reflected in levels of engagement in learning activities, the conduct of research, and ultimately fulfilling the objectives and goals of the university. Faculty who engage in professional development experiences benefit also in terms of increased vitality, being better informed in terms of development taking in various spheres of education and allied fields, innovations, and scholarly learning. CIT has a proven track record of focusing on the development of its faculty members by sponsoring them to attend FDPs at various premier higher learning institutions like IITs and IIMs and also organizing training programs to up skill them by organizing various faculty development programs inside the campus through various government schemes and HRD sponsored centers.

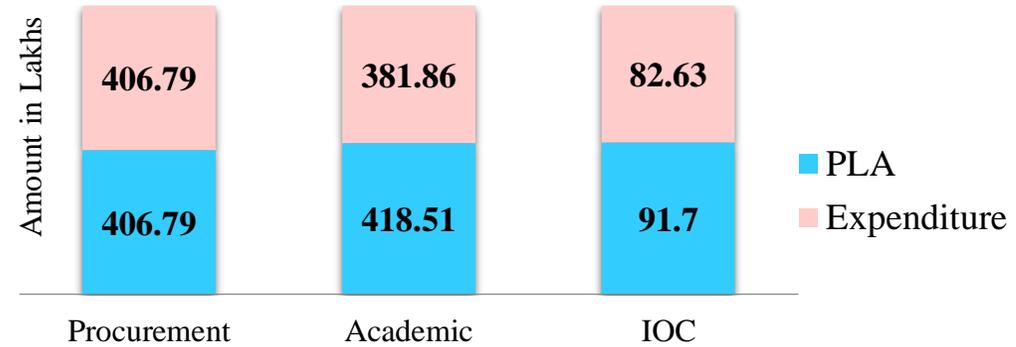
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TEQIP, QIP & TLC



TEQIP-III

Total Amount sanctioned in TEQIP-III
9.17
Crores



2017-18

Shortlisted as Mentor Institute under TEQIP1.3
Amount Sanctioned 7.0 Cr

2018-19

Established Research Hubs

5G IoT & AI Lab I 4.0 Automation Lab

2019-20

- Selected as high performance institute Sanctioned Additional PLA of 77 Lakhs
- Implementation of RFID in CIT Library
- Established Digital Classroom facilities
- Slipper shots – Students Start-up incubated

2020-21

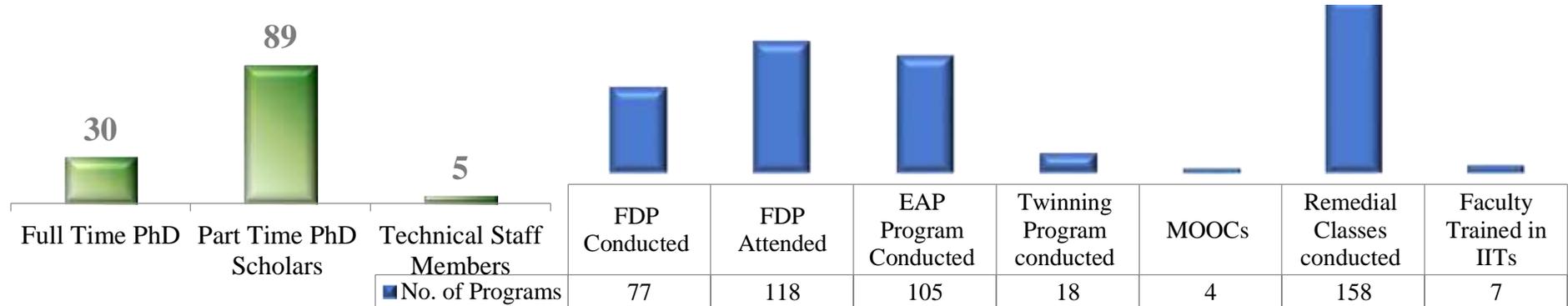
- Selected as high performance institute Sanctioned Additional PLA of 70 Lakhs
- Subscription of E-Resources

GATE Training

GATE 2019
No. of Students trained: **212**

GATE 2020
Training is included as part of curriculum in Time Table

No. of beneficiaries



TEQIP-II

Research Labs Under TEQIP II

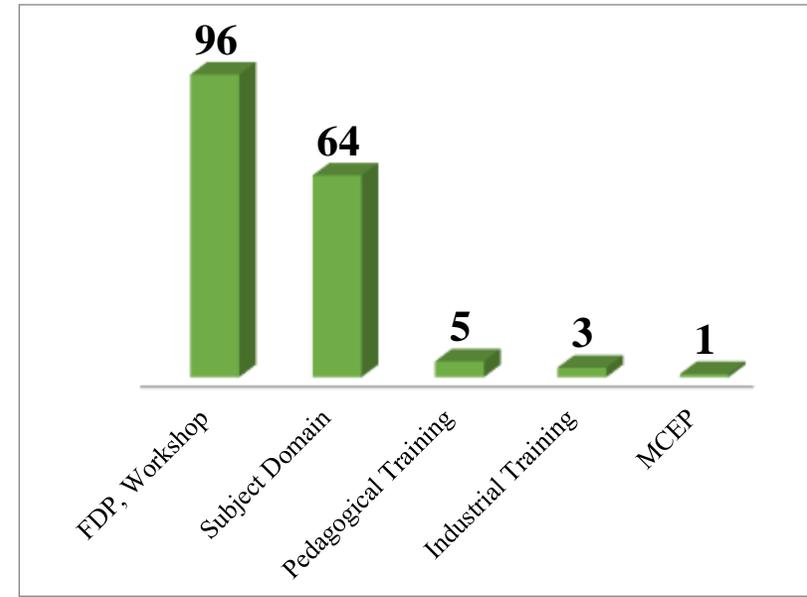


FESEM

192 L

Field Emission Scanning Electron Microscope

No. of Programs Conducted under TEQIP for Faculty



Total Amount sanctioned in TEQIP-II

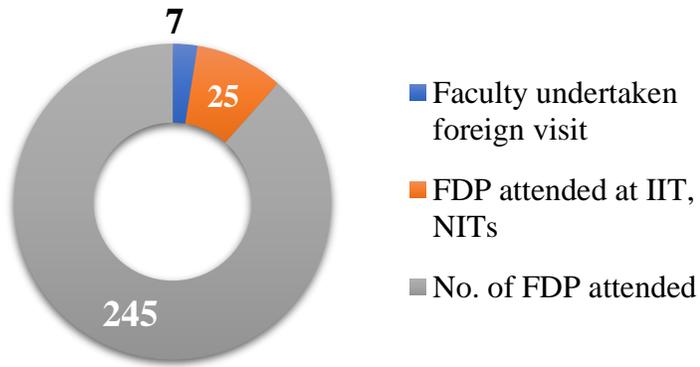
15

Crores

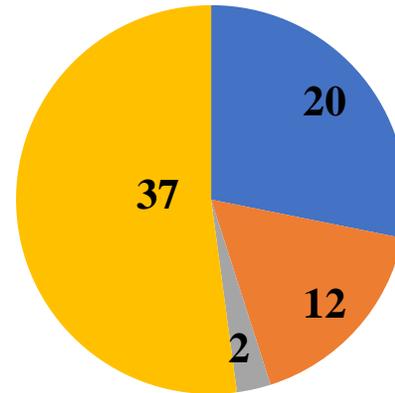
Infrastructure Development

- Extension of Placement Building
- Fire Extinguisher
- Solar
- UPS
- Lift in Academic Blocks
- Extension of Toilet Blocks

No. of programs attended

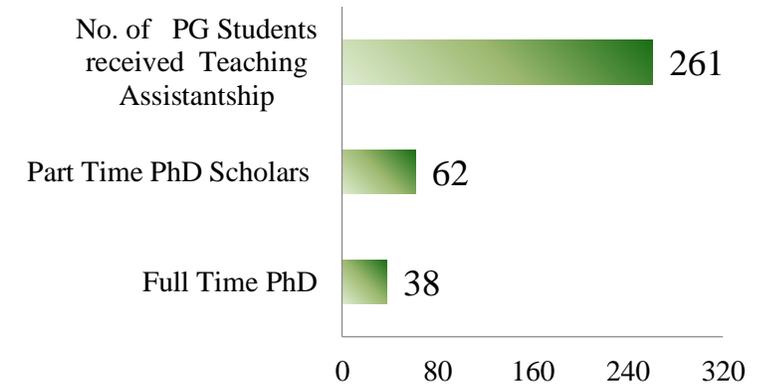


Students Program Conducted



- Communication Skill
- Seminar & Workshop on Subject Domain
- Industry Connect
- Entrepreneurship Development

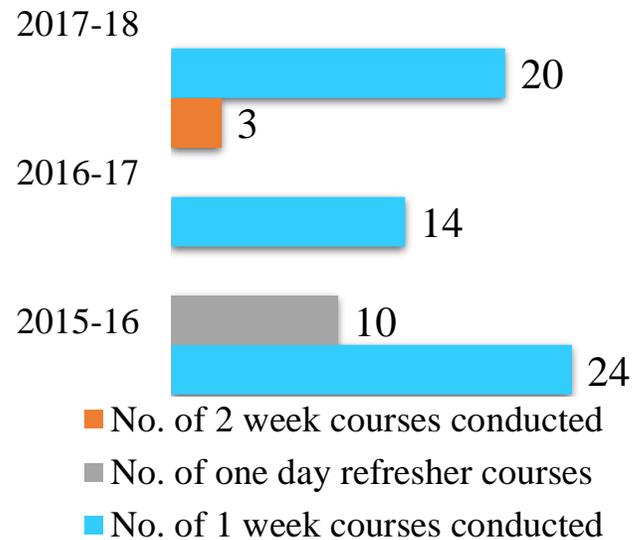
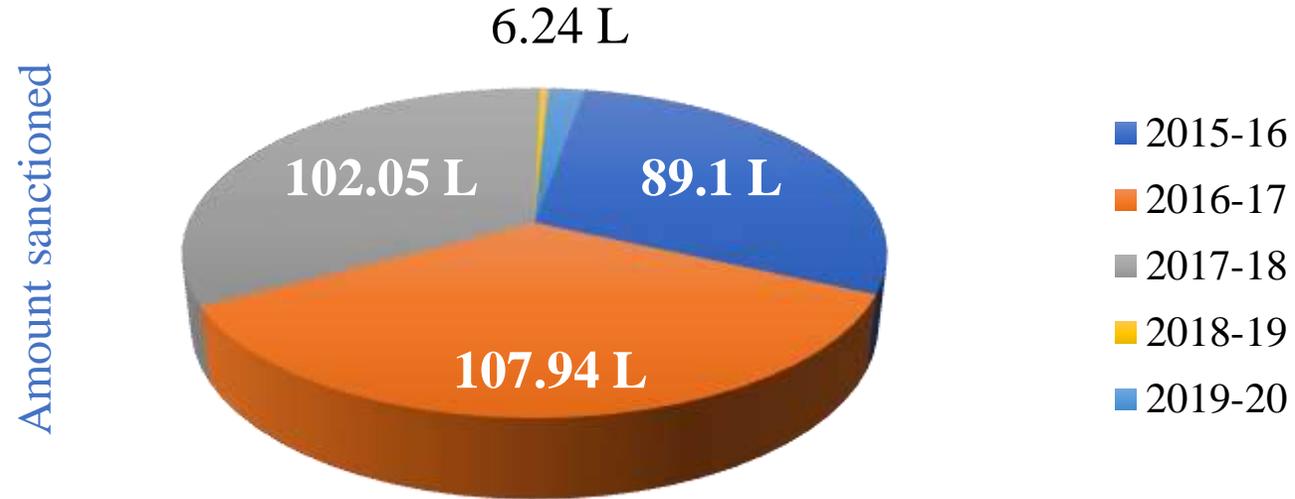
No. of Beneficiaries



Financial assistance for BAJA 2K18

ATV BAJA SAE INDIA
2K18
Indore, Madhya Pradesh (Jan '18)

QIP



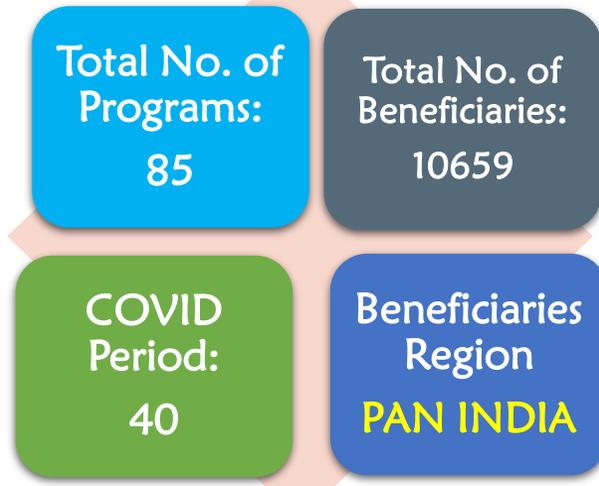
- ✓ Established Smart Classrooms
- ✓ Established Content Management System and Video Streaming Software for NPTEL Videos and Web Courses through campus LAN (Approx. 350 Videos & 600 Web Courses).
- ✓ No. of Full Time PhD Scholars pursuing PhD – 3
- ✓ No. of Full Time PhD Scholars completed PhD - 1

Teaching Learning Centre (TLC)

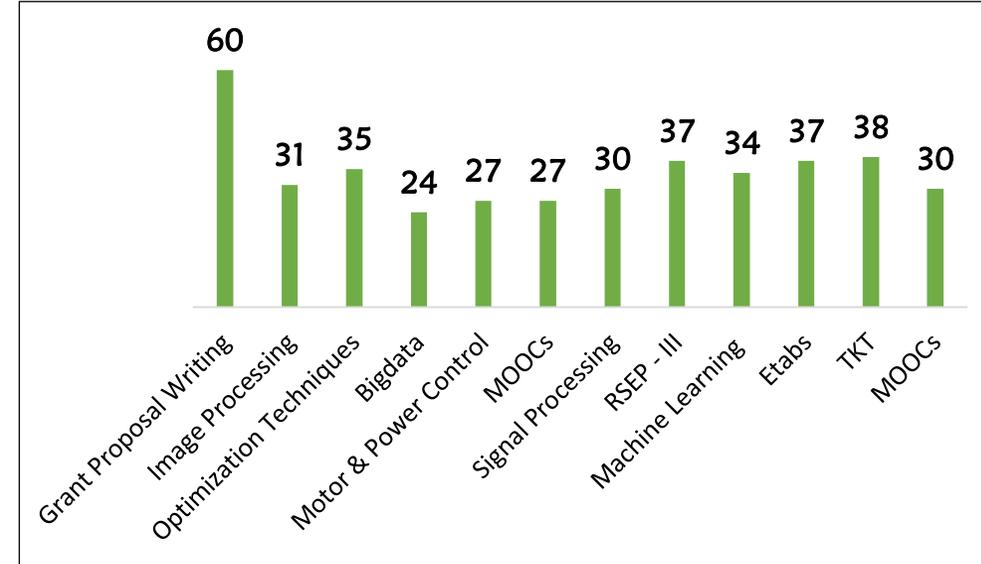
Funding Agency	: Ministry of Human Resource Development, Govt. of India
Scheme	: Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT Scheme)
PAB	: 10 th Project Approval Board, 20 th December, 2017
Sanctioned Date	: 29 th December, 2017
Total Grant	: 7.5 Cr.
Non – Recurring	: 4.2 Cr. <i>(20400 sq.ft. building with state of the art facilities- Completed in March 2020)</i>
Recurring	: 3.3 Cr.
Project Period	: 2018 to 2021
Sustainability period	: 2021 to 2023 <i>(Through Centre of Excellence in Cyber Security)</i>

CIT – TLC Activities

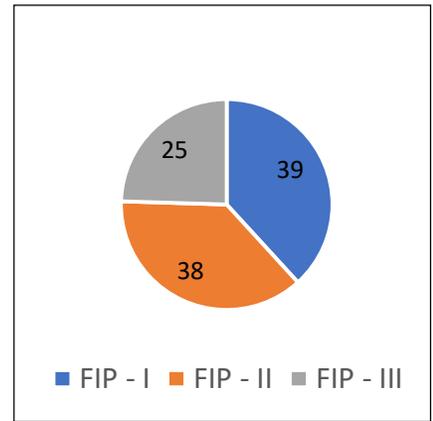
(Period: 2018 – 2021) – Academic, Research & Management



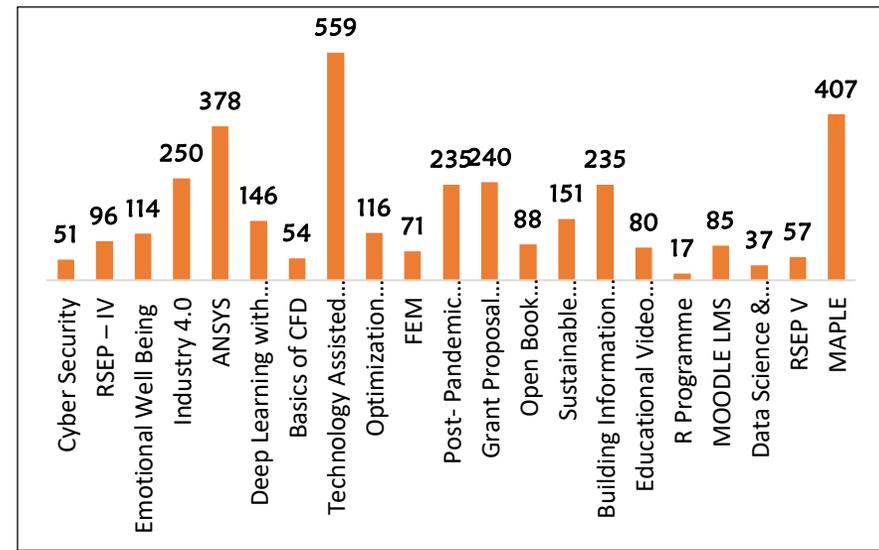
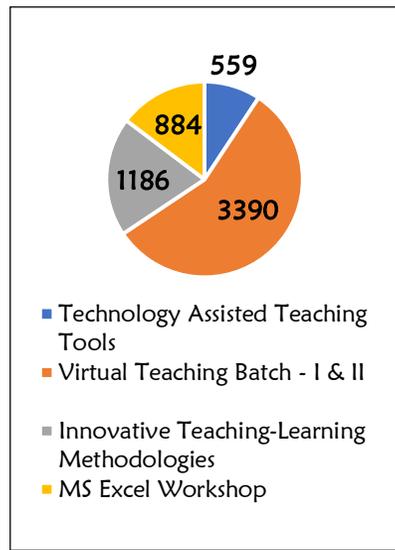
High Intense Programs - Beneficiaries



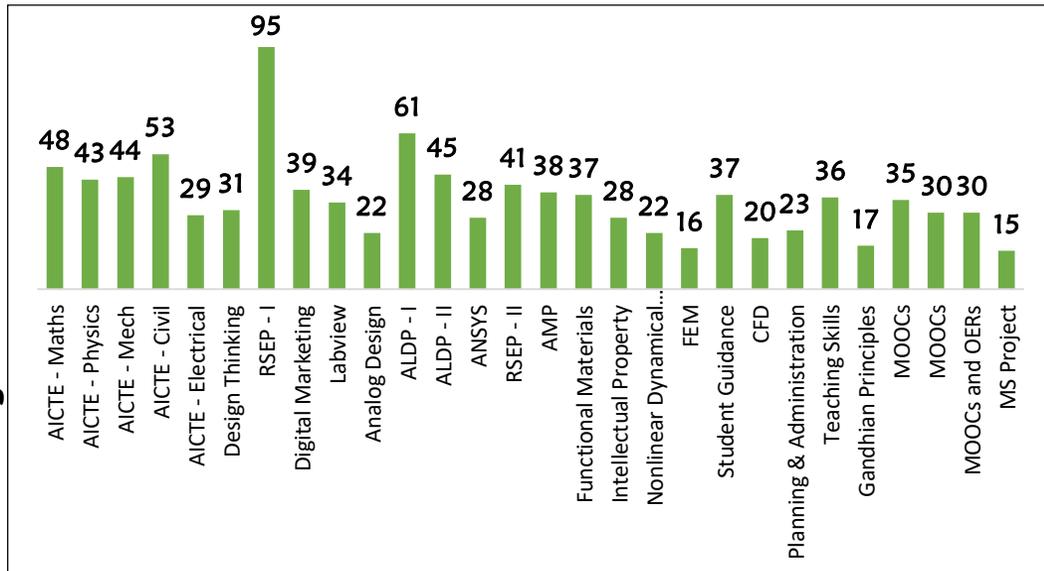
One Month FIP - Beneficiaries



Lock Down Period Thru' Online - Beneficiaries



Other Programs - Beneficiaries





Coimbatore Institute of Technology
(Government Aided Autonomous Institution)
Teaching Learning Centre
(Under P MMMNMTT, Dept. of Higher Education, MHRD, GoI)

Activities Report
(January 2018 to February 2020)



CIT-TLC Activities Report
(01.01.2018 to 29.02.2020)

About CIT

Coimbatore Institute of Technology (CIT) started in 1956 is reckoned for its academic excellence in Engineering and Technology.

About CIT - TLC

CIT has been granted Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in the 10th Project Approval Board (PAB) on 20th December, 2017 meeting to receive a grant of 7.5 Cr to establish the centre.

From January 2018 to May 2018 the preparatory activities for establishing the Teaching Learning Centre at CIT was commenced. The initial activity was formation of advisory board members. This was followed by seeking approval for building plans and filing of compliance requirements for building. Human Resource requirements to run the centre were finalized and interview & selection process was carried out. Action plan for the academic year 2018-19 was prepared. From June 2018 the planned activities were carried out including the construction of building for TLC. The main objective of programmes conducted through the Teaching Learning Centre (TLC) of Coimbatore Institute of

Technology (CIT) is to achieve the mission and vision of the PMMMNTT scheme of MHRD. Till date TLC has conducted **51** programmes in alignment with the identified broad macro areas of Academic, Research and Management (ARM). The six key functional areas which are identified for operational aspects are the following:

- ✓ Academic,
- ✓ Research
- ✓ Course Curriculum
- ✓ Assessment
- ✓ Technology LED
- ✓ Core Competency

Human Resource Team & Strengths of CIT-TLC

The activities of CIT-TLC are carried out by the competent Human Resource Team which functions under the guidance of Dr. V. Manikandan, Project Coordinator, TLC, CIT, CBE. Apart from project implementation activities the Project Officers are to handle one course in their respective domains in every semester. The following are the strengths of the centre:

- Competent Human Resource Team
- Reputed Institute with brand name and legacy

- Location advantage for all potential participants
- Resource persons are invited from Industry and Higher Learning Institutions
- Conducting High Intense Hands-on real impact courses
- Exclusive training centre for Engineering Educators in the geographical region
- Conducted large number of training programs in a short span of time with maximum beneficiaries
- Offering courses through cluster centers

Success Story - Program Details

- Total number of programs conducted at CIT-TLC till date - **51**
- Total number of programs conducted at cluster centers' - **10**
- Number of beneficiaries including cluster centers' - **1987**
- No of FIPs conducted within one year - **03**
- No of High-Intense programs – **12**
- No of experts at CIT- TLC -**232**
- No of experts at cluster centers' – **68**
- No of Research Scholars – **374**
- No of Faculty Members - **1613**
- No of participants state wise
 - Tamil Nadu – **1579**
 - Andhra, Telengana – **15**
 - Karnataka – **239**
 - Kerala – **125**
 - Puducherry: **06**
 - Rajasthan & Others: **23**

Best Practices at CIT-TLC

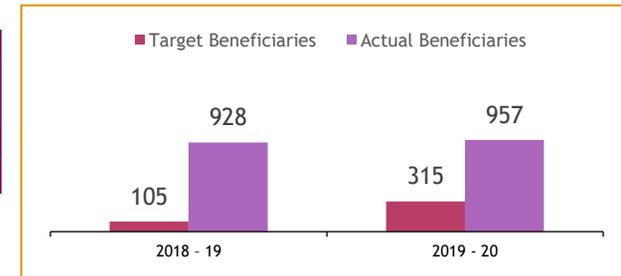
- No formal inaugural/valedictory functions (except FIP's), thereof saving huge grant funds
- Only e-copy of brochures has been used for circulation. No printing of brochures and Flex boards for programs.
- For high intense programmes, the response is three to four times of the target participants
- Attendance percentage and assessment marks are printed in the certificates
- CIT-TLC logo has been designed and used across all communications for branding and maintaining the unique identity of TLC
- Mobile phones are prohibited inside the training hall
- Reached good milestone in the short duration of one and a half years
- Transparency in selection of applicants
- All financial transactions are through online banking only
- Out bound training & Yoga incorporated as part of FIP's
- Academic Leadership Development Programmes were organized exclusively for Principals, Directors, Deans and HOD's
- As per the directions of MHRD, "LEAD INDIA 2020" team was invited for conducting training in FIP's, through which they got further invitations for training from North East regions
- Courses are planned and executed based on contemporary Academic needs.
- On time disbursement of remuneration to the experts and vendors

Milestones

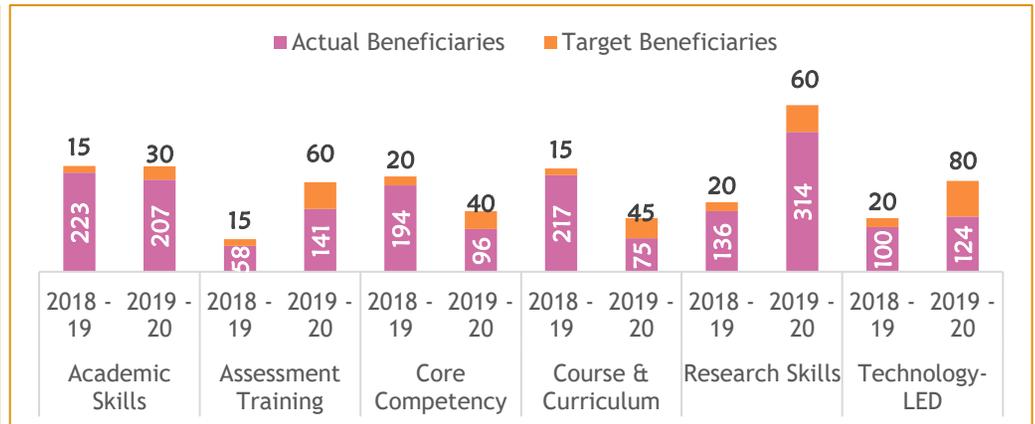
Key Classification \$\$ (Total Units per Classification in the brackets)	## [Jan 2018 to March 2018] Project Sanctioned: 29 th Dec, 2017]	Year 1 2018 - 2019				Year 2 2019 - 20			
		Min Target Training Programs (A)	No. of Training Programs Conducted (B)	Target Beneficiaries (C)	Actual Beneficiaries (D)	Min Target Training Programs (A)	No. of Training Programs Conducted (B)	Target Beneficiaries (C)	Actual Beneficiaries (D)
		• Academic Skills (6)	Preparatory Work • Formation of Advisory Board Members • Appointment of Architect • Building Plan Approval • Human Resources • Preparation of Activity Calendar	1	7	15	223	2	6
• Assessment Training (2)	1	2		15	58	4	4	60	141
• Core Competency (3)	1	4		20	194	2	3	40	96
• Course & Curriculum (2)	1	5		15	217	3	2	45	75
• Research Skills (1)	1	2		20	136	3	5	60	314
• Technology-LED (4)	1	4		20	100	4	4	80	124
Min Target Program (A) / Year		6	-	-	-	18	-	-	-
No. of Training Programs Conducted (B)		-	24	-	-	-	24	-	-
Target Beneficiaries (C) / Year		-	-	105	-	-	-	315	-
Actual Beneficiaries (D)		-	-	-	928	-	-	-	957

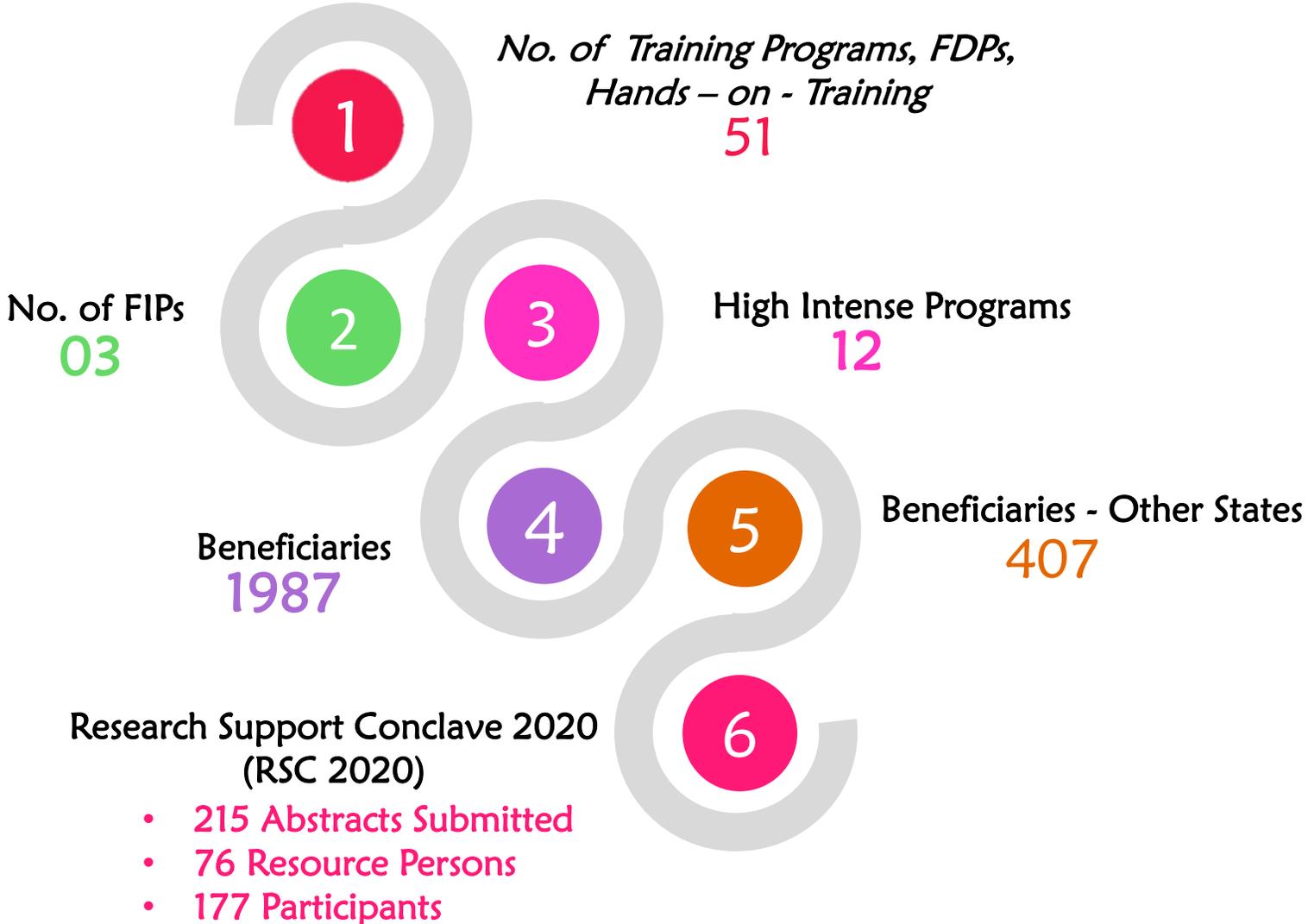
Year	Number of Programs		No. of Beneficiaries	
	Target (A)	Achieved (B)	Target (C)	Achieved (D)
2018 - 19	6	24	105	928
2019 - 20	18	24	315	957

Year	Number of Programs	No. of Beneficiaries
2018 - 19	1	39
2019 - 20	2	63



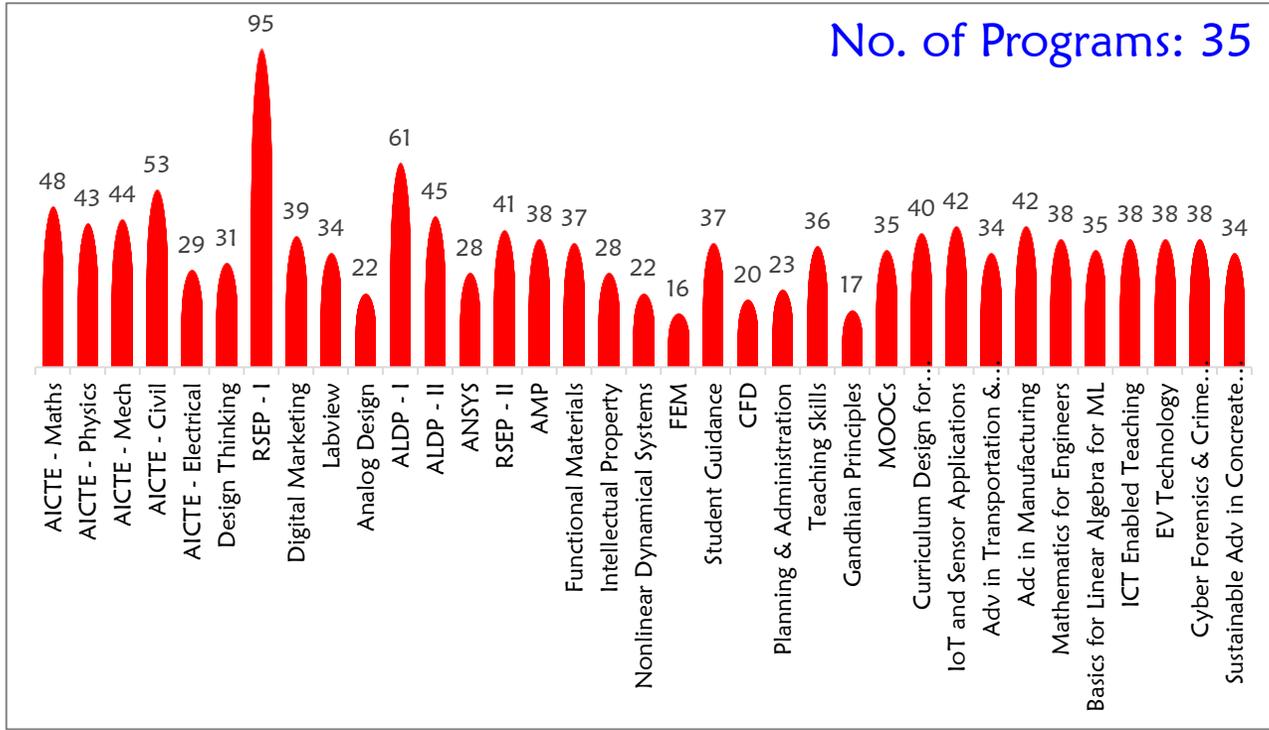
- ## Project approved in the 10th PAB meeting held on 20th December 2017 and received sanctioned order on 29th December 2017
- \$\$ For more details, please refer Annexure - I



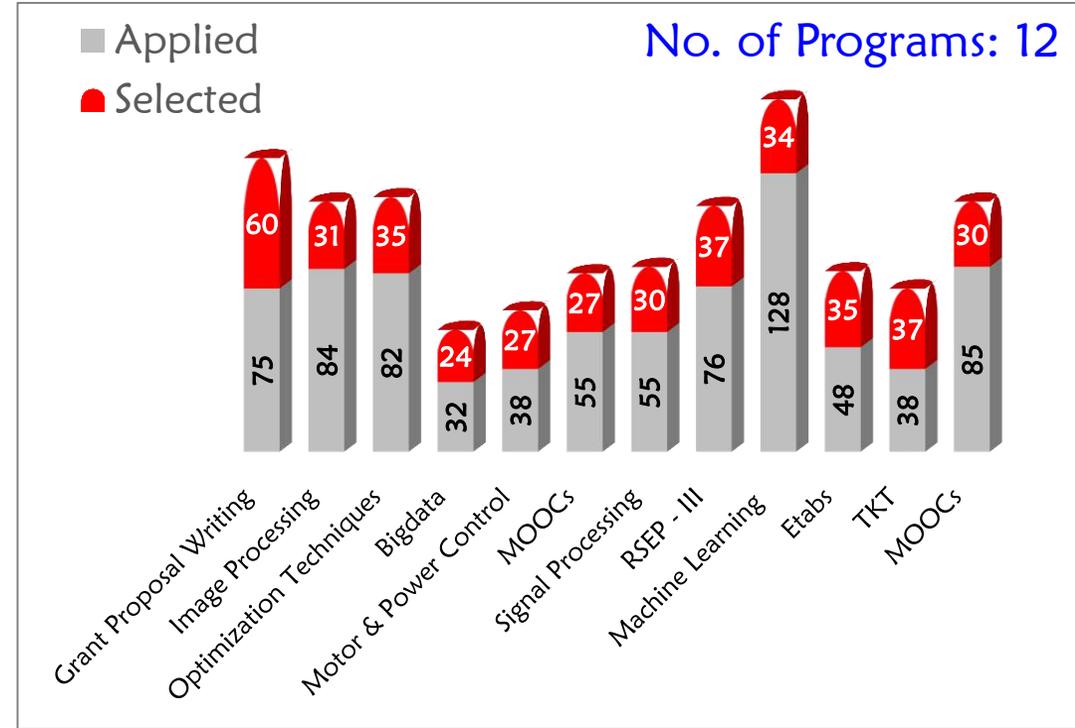


Beneficiaries of CIT - TLC

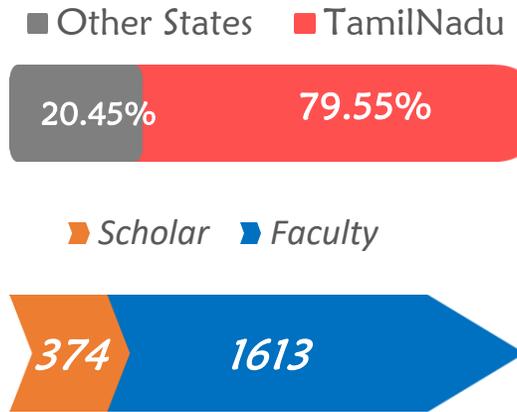
Programs & Beneficiaries



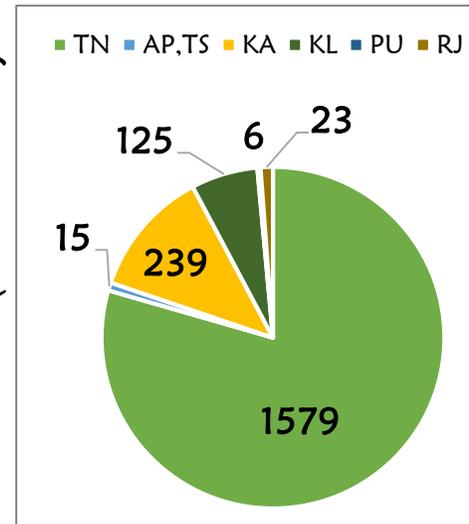
High Intense Programs



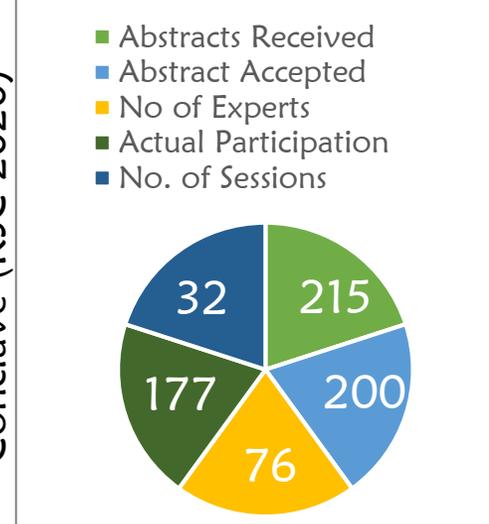
FIPs



No. of Participants – State-wise (SouthIndia)



Research Support Conclave (RSC 2020)



Solving Multiobjective Optimization Problems Using Deterministic & Stochastic Algorithms – Hands-on Approach Using MATLAB Optimization Toolbox

Mr. Mohit Kumar,
Research Scholar, IIT Madras

I have learned various optimization techniques like Genetic Algorithm, PSO, and Differential Evolution algorithms. I hope any of these could be used for my research work. This is one of the good workshops that I attended till now. This is an eye opening for me in application point of view.

Mr. G.B.Amarnath,
Research Scholar, NIT Warangal

Solving Multiobjective Optimization Problems Using Deterministic & Stochastic Algorithms – Hands-on Approach Using MATLAB Optimization Toolbox

- All fundamentals of MATLAB and Optimization Techniques were learnt
- Now I can visualize the formulation of my research problems

Planning and Administration for Sustainable Institutional Development

Dr.Sivadasan .M
East Point College of Engg & Tech,
Bangalore

I feel that the workshop has given me the method for performance enhancement in every Institutional Management System

Mr. E. R. Abhiram,
R V College of Engineering, Bengaluru

Faculty Induction Program - III

This programme helped me a lot in my overall professional development. The sessions were facilitated by excellent resource persons.

Renowned Experts

- Dr. Anandhakrishnana, Former VC, Anna Univ.
- Dr. E.Balaguruswamy, Former VC, Anna Univ.
- Prof.M.K.Surappa, VC, Anna Univ.
- Dr.Ashok Rao, Former Professor, IISc., Bangalore
- Dr.Srinivasan, NIEPA, New Delhi
- Dr.Sudhir K Jain, IIT Delhi
- Dr.Swgantham Das, ISI Kolkata
- Dr.Shyamal Das Mandal, IIT Kharagpur
- Dr.Rajiv Sharma, Ex Secertary, SERB
- Dr.Ajay Pillai, Grants Manager, DBT India
- Dr.Brij Mohan Baveja, Ex. Senior Director, MeitY

TLC Building – Elevation



Facilities @ TLC Building

- Computer Labs
- Training Halls with Audio & Video Facility
- Conference Halls
- Centralized A/C
- 98 % of civil work has been completed as on 29th February, 2020
- The inauguration is tentatively scheduled on 13th March, 2020

Total
No. of
Experts:
232

IITs,
IIMs,
IISc: 36

NITs, ISI:
9

NIEPA:
1

Industry
: 16

Inflibnet
: 4

Govt. &
Govt.
Aided:
166

Equipments Procured

- 30 All-In-One PC for Hands-on-Training
- 2 Laptops
- 1 Printer

Innovations at CIT-TLC

- High intense programs in the latest research areas. These are delivered by experts from industry and participants are greatly benefitted out of those programs.
- 100% participation is ensured
- More number of Hands-on training courses
- After training support through WhatsApp Group
- Cluster Centers to cover other regions including remote areas
- E-Governance
- Contemporary exclusive TLC building
- Conducted the Research Support Conclave - RSC2020 which is first of its kind and number of abstracts received are 177 in multidisciplinary areas of Engineering, Mathematics, Basic Sciences and Management

MOUs and Collaborations

As per the proposal it was decided to expand the activities of CIT-TLC through Cluster Centre approach to reach out to rural colleges and technical institutions in other states. Four technical institutions were identified as a cluster centers to carry out the activities of CIT-TLC. MOUs are signed between these four institutes:

- **Thiagarajar College of Engineering, Madurai, Tamil Nadu**
- **NSS College of Engineering, Palakkad, Kerala**
- **VidyaVardhaka College of Engineering, Mysuru, Karnataka**
- **College of Engineering, Trivandrum, Kerala**

- Number of programs conducted at cluster centers'
 - VidyaVardhaka College of Engineering, Mysuru, Karnataka – **6 Programs**
 - NSS College of Engineering, Palakkad, Kerala – **4 Programs**
 - Total Beneficiaries – **378**
 - Kerala – **147** & Karnataka – **231**

ICT & E- Contents

- Created 40 modules in **Structural Engineering under National Resource Centre (NRC) for SWAYAM**. This is prepared using the separate grant apart from TLC.
- Conducted one week exclusive module on “**ICT tools for teaching**” during 3 Faculty Induction Programs (FIPs).
- Conducted the program “Teaching, Learning & and Assessment with MOOCs & Open Educational Resources: Hands-on Approach “, for faculty members of all disciplines from 16th March to 22nd March, 2019(7 Days)
- Conducted the program “Teaching, Learning and Assessment with MOOCs & Open Educational Resources: Hands-on Approach” from 16th to 20th November, 2019(5 Days).
- Conducted the program “Teaching, Learning and Assessment with MOOCs & Open Educational Resources: Hands-on Approach” from 8th to 12th February, 2020(5 Days).

Infrastructure Created by the Centre

CIT-TLC building

The present status of TLC building is almost ready for operation (98 % Completion). Interior works are being done in the building and the formal inauguration of the building is planned on 13.03.2020.

The total expenditure of TLC building would cost around 5.8 crores (approx.), out of which the CIT management contribution will be utilized for installing of A/C, Toilet block, Electrical Connections, Side Elevation and Architect Consultation charges.

- ✓ Total Built-up Area: 20713 Sq. Ft.
- ✓ Through PMMMNMTT: 17300 Sq. Ft.
- ✓ Through Institute In-kind: 3413 Sq. Ft.

The following are the assets of TLC

- Computer Lab
 - ✓ All in one Desktop Computer: 30 Nos.
 - ✓ Laptop: 2 Nos.
 - ✓ Printer: 1 No.

Feedback and Monitoring Mechanism

- ✓ Participants Feed Back
- ✓ Feedbacks are collected for all programs & courses on the final day of the courses. The feedbacks are discussed in the weekly meetings TLC team and necessary action points are decided based on the participants feedback.

Monitoring Mechanism of CIT – TLC Activities & Progress

- ✓ MHRD – Video Conferencing Meeting with PMMMNMTT scheme officials
- ✓ In Institute – Weekly review meeting with Project Coordinator (PI), Project Officers and other TLC team members
- ✓ Senior Advisory Committee Meeting

Challenges Faced by the Centre

- ✓ Limited number of responses for few courses during September to October and March to April
- ✓ Availability of Experts from higher learning Institutions during instructional days
- ✓ Academic sessions vary across all the five states which pose a problem to plan dates for FIP.
- ✓ Availability of On-Duty for self-financing college faculty members
- ✓ Reaching out to rural colleges
- ✓ Long processing time for release of grants

Opportunities for continued progress of the Centre

- ✓ Courses offered by CIT - TLC receives overwhelming response
- ✓ Facilities to offer courses for all five Sothern states.
- ✓ Huge demand for courses like AI, Machine Learning, Deep Learning, Optimization Techniques, Big Data, MOOCs etc.
- ✓ Training can be extended to polytechnic teachers and other segments like teachers in ITIs

Programs in Pipeline during March 2020

(Tentative)

- ✓ Five-Day Hands-on Training on Project Management Software (MS Project) – March 7-11, 2020
- ✓ High Intense Hands-on-Training on Deep Learning in association with Nvidia – March 13 to 15, 2020
- ✓ Cyber – Security in association with ISAC – March 17 to 19, 2020

- ✓ Facilitating Active Learning with ICT: Hands - on Professional Development Course – March 16 to 18, 2020
- ✓ Three Day Workshop on Hybrid & Electric Vehicles – March 19- 21, 2020
- ✓ High Intense Hands-on-Training on Machine Learning & Artificial Intelligence in association with Math Works – March 27 to 31, 2020

Requirement for Sustainability

The recurring grant for conducting the courses is very essential for continuing the centre in its fullest capacity and rigor.

Repositories Created

The PowerPoint slides and copies of handouts provided by the resource persons are shared with program participants. The centre maintains a copy of the materials in soft / or print as provided by the resource persons. The resources will be hosted in TLC website after shifting to the new TLC building.

Future Deliverables

- ❖ More number of programs will be planned and conducted as per the proposal. There will be remarkable enhancement in our future programs suited to the training needs of Higher Education Teachers.
- ❖ There is a wide scope for training the Polytechnique teachers and ITI instructors on the latest advancements in their fields. The centre can conduct training for the above target group upon getting the necessary approvals with additional recurring grant.
- ❖ The centre has submitted the proposal for setting up **CALEM**. If sanctioned, the centre will offer its Leadership Training services to Heads of Higher Educational Institutes, Corporate, Govt. Bodies /Departments at both State as well

as central level, Public sector enterprises, MSMEs, Hospitals etc.

Summary

CIT- TLC commenced its operations in June 2018 after the initial preparatory work for six months which includes activity planning and deploying human resources. During the short span of one and half years the centre has conducted 51 programs in the major domains of Academic, Research and Management (ARM). The programs have benefited 1987 higher education teachers covering all the five southern states. The centre has the core competency of conducting High- Intense Hands- on Training programs which has received an overwhelming response and excellent feedback from all participants. The Research Support Conclave (RSC2020) conducted by CIT-TLC has benefitted 177 research scholars who were mentored by 76 experts from India and abroad. Looking at the current status of the centre, it is imperative that there is a huge potential to train the teachers in all the five states which has close to 1004 Engineering Colleges with faculty strength of around 90360.

To fulfill the objectives of the PMMMNMTT in the identified geographical region, the project may be extended for at least three more years with recurring grant.

Annexure

1. Consolidated List of programs conducted by CIT – TLC
2. Updated Proforma (January 2018 to February 2020)

4m/20/2/2020

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E- Mail : manikantan.cit@gmail.com,
manikandan@cit.edu.in



Dr. V. MANIKANDAN M.E., Ph.D
Principal Investigator
CIT-Teaching Learning Centre
Coimbatore Institute of Technology
Coimbatore – 641 014 India



List of Training Programs Conducted
(June 2018 to February 2020)

S.No.	Date(s)	Title of the Program	Key functional area	No. of Participants	No. of Resource Persons
1.	27.06.2018	Deliberations on AICTE Model Curriculum - Mathematics	Course & Curriculum	48	1
2.	27.06.2018	Deliberations on AICTE Model Curriculum - Physics	Course & Curriculum	43	1
3.	27.06.2018	Deliberations on AICTE Model Curriculum – Mechanical Engineering	Course & Curriculum	44	1
4.	29.06.2018	Deliberations on AICTE Model Curriculum – Civil Engineering	Course & Curriculum	53	1
5.	16.07.2018	Deliberations on AICTE Model Curriculum – Electrical Engineering	Course & Curriculum	29	1
6.	26.07.2018 & 27.07.2018	Design Thinking for Engineering Educators	Assessment Training	31	1
7.	30.07.2018 To 01.08.2018	Research Scholars Empowerment Programme-I (Full- Time Research Scholars)	Research Skills	95	3
8.	21.08.2018	Digital Marketing	Academic Skills	39	1
9.	08.09.2018 To 12.09.2018	Experimental Teaching and Learning in LabVIEW	Academic Skills	34	1
10.	14.09.2018 & 15.09.2018	Analog Design	Academic Skills	22	1
11.	26.09.2018 To 28.09.2018	Academic Leadership Development Programme – Phase-I HODs and Senior Faculty	Core Competency	106	2
12.	29.09.2018 & 30.09.2018	Academic Leadership Development Programme – Phase-II Principals ,Deans and COE	Core Competency		2
13.	03.10.2018 To 07.10.2018	5-Day HANDS-ON Training on ANSYS WORKBENCH ENVIRONMENT	Technology LED	28	1
Total (A)				572	

14.	24.10.2018 To 28.10.2018	Research Scholars Empowerment Programme –RSEP –II	Research Skills	41	5
15.	29.10.2018 To 02.11.2018	Teachers’ Knowledge Enrichment Programme on Advanced Mathematical Pedagogy	Academic Skills	38	9
16.	12.11.2018 To 08.12.2018	Induction Training Programme	All six key functional Areas	39	30
17.	21.01.2019 To 25.01.2019	One week Workshop on Processing & Applications of Functional Materials	Academic Skills	37	15
18.	24.01.2019 To 25.01.2019	Two day workshop on Intellectual Property Rights	Core Competency	28	2
19.	16.02.2019 To 20.02.2019	Short Term Course on Nonlinear Dynamical Systems: Concepts and Applications	Technology LED	22	10
20.	16.02.2019 To 20.02.2019	5 - Day Faculty Development Programme on Finite Element Method in Civil Engineering	Academic Skills	16	4
21.	07.03.2019 & 08.03.2019	Two Day Workshop on Student Guidance and Counseling Techniques	Academic Skills	37	3
22.	09.03.2019 To 15.03.2019	High Intense Hands –on –Training Programme on CFD using SIEMENS Application Software	Technology LED	20	1
23.	16.03.2019 To 22.03.2019	One week Faculty Empowerment Program on Teaching ,Learning & Assessment with MOOCs & Open Educational Resources :Hands-on Approach	Assessment Training	27	4
24.	23.03.2019 To 29.03.2019	Modeling and Deployment onto an SoC using MATLAB and Simulink	Technology LED	30	1
25.	29.03.2019 & 30.03.2019	Two Day Colloquium on Grant Proposal Writing	Core Competency	60	6
26.	22.04.2019 To 19.05.2019	Faculty Induction Programme - II	All six key functional Areas	38	24
27.	24.05.2019 & 25.05.2019	Two Day FDP on Curriculum Design on Industry Needs	Course & Curriculum	40	7
28.	13.05.2019 To 09.06.2019	Faculty Induction Programme - III	All six key functional Areas	25	26
Total (B)				498	

29.	26.06.2019	A One Day Faculty Development Programme on “ICT Enabled Teaching”	Academic Skills	38	4
30.	01.07.2019 To 05.07.2019	Trends In Electric Vehicle Technology	Academic Skills	38	4
31.	02.07.2019 To 06.07.2019	Five Day FDP on Embedded Systems, IOT and Sensor Applications With Blended Learning Concepts	Academic Skills	42	6
32.	06.07.2019 To 12.07.2019	High Intense Hands – On Training Programme on Matlab for Image Processing, Computer Vision & Deep Learning	Technology LED	31	1
33.	08.07.2019 To 12.07.2019	Five Day FDP on Cyber Forensics and Crime Analysis	Assessment Training	38	11
34.	13.07.2019 To 19.07.2019	Solving Multiobjective Optimization Problems Using Deterministic & Stochastic Algorithms – Hands on Approach Using Matlab Optimization Toolbox	Research Skills	35	8
35.	22.07.2019 To 26.07.2019	Advancements In Transportation and Geotechnical Engineering	Academic Skills	34	13
36.	22.07.2019 & 23.07.2019	Two Day FDP on “Advancements In Manufacturing”	Academic Skills	42	6
37.	02.08.2019 & 03.08.2019	Planning and Administration for Sustainable Institutional Development: A Two Day Colloquium for Higher Education Headers	Core Competency	23	1
38.	03.09.2019 To 07.09.2019	One Week Workshop on Innovative and Responsive Teaching Skills	Core Competency	36	5
39.	16.09.2019 To 22.09.2019	High Intense Programme on Big Data Analytics Using Hadoop, Spark & Apache Kafka	Technology LED	24	1
40.	23.09.2019 To 27.09.2019	High Intense Programme on “Motor and Power Control – Design and Verification Using Matlab & Simulink”	Research Skills	27	2
41.	27.09.2019	One Day FDP on “Mathematics for Engineers and Engineering for Mathematicians”	Research Skills	38	3
Total (C)				446	

42.	30.09.2019	One Day FDP on "Basics of Linear Algebra on Machine Learning"	Course & Curriculum	35	4
43.	05.10.2019	One Day Deliberation on Gandhian Principles And Thoughts for The Present Day Educators	Academic Skills	17	4
44.	14.10.2019 To 18.10.2019	Research Scholar Empowerment Program – III (RSEP - III)	Research Skills	37	6
45.	19.10.2019 To 23.10.2019	High Intense Workshop on Machine Learning With Matlab	Technology LED	34	2
46.	16.11.2019 To 20.11.2019	One Week Faculty Development program on Teaching, Learning and Assessment with MOOCs & Open Educational Resources: Hands-on Approach	Assessment Training	35	3
47.	22.11.2019 To 26.11.2019	Five Days Hands on Training on ETABS	Technology LED	35	1
48.	25.11.2019 To 01.12.2019	A Workshop on English Language and Teaching Skills Development for Cambridge Assessment English –Teaching Knowledge Test (TKT)	Core Competency	37	1
49.	05.12.2019 & 06.12.2019	FDP on Sustainable Advancements in Concrete and Geotechnology	Academic Skills	34	4
50.	08.01.2020 To 10.01.2020	Research Support Conclave (RSC 2020)	Research Skills	177	77
51.	08.02.2020 To 12.02.2020	Five Day Faculty Development program on Teaching, Learning and Assessment with MOOCs & Open Educational Resources: Hands-on Approach	Assessment Training	30	4
Total (D)				471	

Total No. of Beneficiaries(A+B+C+D) :1987



Am / 29/2/2020
Dr. V. MANIKANDAN M.E., Ph.D
 Principal Investigator
 CIT-Teaching Learning Centre
 Coimbatore Institute of Technology
 Coimbatore – 641 014 India



Teaching Learning Centre

(PMMMNMTT, Department of Higher Education, MHRD, GoI)

Coimbatore Institute of Technology

Coimbatore – 641 014, Tamilnadu, India

Name of the University / Centre	Coimbatore Institute of Technology, Coimbatore
Name of the Component	Teaching Learning Centre

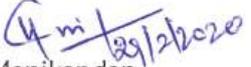
Activities Proposed & Approved by PAB	<ul style="list-style-type: none"> MHRD has approved CIT to establish TLC under PMMMNMTT Scheme on 10th PAB held on 20th December, 2017 (File No.: 1-25 / 2017 – PN.II Dt. 29th December, 2017) Sanction Number: File No.: 1-36 / 2017 – PN.II Dt.: 29th December, 2017 Sanctioned Grant: 7.5 Cr. Recurring: 3.3 Cr. (1.1 Cr. / year) Non Recurring: 4.2 Cr. 			
	Recurring			
	Approved	3.3 Crore		
	1 st Year	1.1 Cr.		
	2 nd Year	1.1 Cr.		
	3 rd Year	1.1 Cr.		
	Non – Recurring			
	Approved	4.20 Crore		
Achievements / Output (Quantifiable) for Each year (Physical)	Recurring			
	Activities	2017 – 18 (From Jan to March 2018)	2018 – 19	2019 – 20 (up to Feb 2020)
	Training Programs	-	22	3
	High Intense Hands-on Training Programs	-	2	10
	FIPs	-	1	2
	Research Support Conclave	-	-	1
	Cluster Center	-	-	10
	Total Number of Beneficiaries	-	967	1020
	Recurring – Achievement			
	<ul style="list-style-type: none"> 51 training programs has been conducted so far in Academic, Research & Management High Impact Hands-on-Training Programs conducted on recent software & ICT Tools. <ul style="list-style-type: none"> ✓ ANSYS Workbench Environment for Mechanical Engineers ✓ Computational Fluid Dynamics with Siemens Star CCM+ ✓ Signal Processing Using MATLAB & Xilinx in association with MathWorks, Bangalore ✓ MOOCs, MOODLE & Open Educational Resources (OERs) ✓ LabVIEW in association with National Instruments ✓ Machine Learning with MATLAB 			

- ✓ Optimization Techniques with MATLAB
- ✓ Image Processing, Computer Vision & Deep Learning Using MATLAB
- ✓ Workshop on English Language and Teaching Skills Development for Cambridge Assessment English –Teaching Knowledge Test (TKT)
- ✓ Hands-on Training on ETABS
- Academic Leadership Development Programme is conducted for Principals, HoDs, & Senior Faculty Members in two different phases in association with AIMA, New Delhi
- 1993 number of Faculty Members, Scholars has benefited from the training programs
- 63 number of participants attended from other states
 - ✓ Andhra Pradesh & Telangana: 15
 - ✓ Karnataka: 08
 - ✓ Kerala: 11
 - ✓ Pudhucherry: 06
 - ✓ Maharastra, Rajasthan, Orrisa & Others: 23
- To extend the services to nearby Districts & States of Coimbatore & Tamil Nadu, CIT – TLC has established 4 cluster centres
 - ✓ Thiagarajar College of Engineering, Madurai, Tamil Nadu
 - ✓ NSS College of Engineering, Palakkad, Kerala
 - ✓ College of Engineering, Trivandrum
 - ✓ Vidyavardhaka College of Engineering, Mysuru, Karnataka
- 378 number of participants benefited from Cluster Centres in Kerala & Karnataka
- 3 rounds of FIPs were conducted in the Academic year 2018 – 19
- Total number of participants benefitted from other states: 408

Non – Recurring

Infrastructure / Civil Works	2017 – 18 (From Jan to March 2018)	2018 – 19		2019 – 20 (up to 26th Feb 2020)	
	-	Printer	1 Nos.	All in One Desktop Computers	30 Nos.
				Laptop	02 Nos.
Equipments	<ul style="list-style-type: none"> • Appointment of Architect (M/S Inner Space Architects, In line with the Proposal) • Commencement of Sub Soil Investigation (19.03.2018) • Soil Investigation Report (22.03.2018) 	<ul style="list-style-type: none"> • Tender Drawings & Bill of Quantities (BoQ) Report (19.04.2018) • Tender Document for TLC Building(20.07.2018) • Selection of Contactor for TLC Building Construction 	<p style="text-align: center;"><u>FIRST FLOOR</u></p> <ul style="list-style-type: none"> • RCC in first floor for Column, Roof Beam, Roof Slab, Lintel, Sunshade • Brick work • Ceiling plastering – Surface of ceiling, RCC works, slabs, sunshades, loft • Column 		

			<ul style="list-style-type: none"> • Award of Contract (03.10.2018) • Commencement of TLC Building Construction (04.10.2018) <li style="text-align: center;"><u>GROUND FLOOR</u> • Excavation in soft soil & hard soil for foundation, footings • Providing & Laying plain cement concrete in foundation trenches • RCC for foundation, plinth beams • Basement bricks work & filling & Anti-termite treatment • Reinforced cement concrete for column, short column, Plinth Beam, Lift wall, Lintel concrete Brick wall work • Wall plastering (Surface of Walls, Columns, Scaffolding) • Ceiling plastering – Surface of ceiling, RCC works, slabs, sunshades, loft • Column & Beam plastering • Construction of Brick steps • Fixing of Doors & UPVC windows 	<ul style="list-style-type: none"> plastering • Beam Plastering • Construction of Brick steps <li style="text-align: center;"><u>SECOND FLOOR</u> • Roof Column • Parapet Wall & Plastering <li style="text-align: center;"><u>GENERAL</u> • Electrical Work for GF & FF • False Ceiling • Septic Tank work • Outer wall plastering • Interior works – Fixing of Centralized A/c • Paving of Floor tiles • Painting • Interior Works – Fixing of Furniture
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Financial Details (Lakhs)									
Budget	Fund	2017 – 18 (From Jan to March 2018)		2018 – 19		2019 – 20 (up to Feb 2020)		Total Release	Grant Expenditure
		Released	Utilized	Released	Utilized	Released	Utilized		
	R	110	2.11	-	80.48	78	91.23	178	132.77
	NR	210	0.0	-	31.79	100	186.18	310	306.72
Demand & UC submission Details									
Non – Recurring									
<ul style="list-style-type: none"> • Demand & UC has been submitted on 26th June, 2019 for Rs.20043721.00. • Rs.10000000.00 released on 29th November, 2019. • The remaining Rs.10043721.00 yet to be released. 									
Recurring									
<ul style="list-style-type: none"> • Updated Demand & Provisional Consolidated UC has been submitted on 19th February, 2020. 									
Status of Building Creation (Completed or Not Completed) If completed the total covered area / assets created (Quantifiable Terms)		<ul style="list-style-type: none"> • TLC Building already completed. The total covered area is 20713 sq.ft. (17300 Sq. Ft through PMMMNMTT Scheme, 3413 Sq. Ft. through Institute in-kind) • 98 % of civil works has been completed. The building will be inaugurated on 13th March 2020 tentatively by the Honorable Minister of HRD, GoI. 							
Whether Year wise Progress Report and UCs submitted or not		Year	Progress Report				UCs		
Starting from Applicable Project Approval Year		2017 - 18	Yes				Yes		
		2018 – 19	Yes				Yes		
		2019 – 20	Yes				Yes		
Name & Signature of the Project Coordinator		 Dr.V.Manikandan Project Coordinator, CIT – TLC, Coimbatore Institute of Technology, Coimbatore – 641 014. Mail ID: manikatan.cit@gmail.com, manikandan@cit.edu.in Mobile Number: 9865678896							

Dr. V. MANIKANDAN M.E., Ph.D
 Principal Investigator
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 Coimbatore Institute of Technology
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CIT-TLC Brief Report

01.01.2018 to 25.11.2019

Coimbatore Institute of Technology (CIT) started in 1956 is reckoned for its academic excellence in Engineering and Technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. CIT has been approved as Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in December, 2017. CIT - TLC – MHRD PMMMNTT was approved in the 10th Project Approval Board (PAB) on 12th December, 2017 meeting to receive a grant of 7.5 Cr to establish the centre.

From January 2018 to May 2018 the preparatory activities for establishing the Teaching Learning Centre at CIT was commenced. The initial activity was formation of advisory board members. This was followed by seeking approval for building plans and filing of compliance requirements for building. Human Resource requirements to run the centre were finalized and interview & selection process was carried out. Action plan for the academic year 2018-19 was prepared. From June 2018 the planned activities were carried out including the construction of building for TLC. The main objective of programmes conducted through the Teaching Learning Centre (TLC) of Coimbatore Institute of Technology (CIT) is to achieve the mission and vision of the PMMMNTT scheme of MHRD. So far TLC has conducted **48** programmes in alignment with the identified broad macro areas of Academic, Research and Management (ARM). The six key functional areas which are identified for operational aspects are the following Academic, Research, Course Curriculum, Assessment, Technology LED, and Core Competency.

number of participants attending from other districts in

Strengths of the Centre

- Competent Human Resource Team
- Reputed Institute with brand name and legacy
- Location advantage for all potential participants
- Resource persons from Industry and Higher Learning Institutions
- Conducting High Intense Hands-on real impact courses
- Exclusive training centre for Engineering Educators in the geographical region
- Conducted large number of training programs in a short span of time with maximum beneficiaries
- Offering courses through cluster centers

Challenges Faced

- Limited number of responses for few courses during September to October and March to April
- Availability of Experts from higher learning Institutions during instructional days
- Number of participants attending from other states are less
- Academic sessions vary across all the five states which pose a problem to plan dates for FIP.
- Availability of On-Duty for self-financing college faculty members
- Reaching out to rural colleges
- Long processing time for release of grants

Success Story

- Total number of programs conducted at CIT-TLC till date -**39**
- Total number of programs conducted at cluster centers' - **09**
- Number of beneficiaries including cluster centers' - **1744**
- No of FIPs conducted within one year - **03**
- No of High-Intense programs – **11**

CIT-TLC Brief Report

01.01.2018 to 25.11.2019

- No of experts at CIT- TLC -152
- No of experts at cluster centers' - 36
- No of participants state wise
 - Tamil Nadu – 1360
 - Andhra & Telengana – 15
 - Karnataka – 8
 - Kerala – 10
 - Pondicherry – 5
 - Others – 4

Innovations

- High intense programs in the latest research areas
- 100% participation
- More number of Hands-on training
- After training support through Whatsapp Group
- Cluster Centres to cover other regions including remote areas
- E-Governance
- Contemporary exclusive TLC building
- Planned to conduct the Research Support Conclave - RSC2020 which is first of its kind and number of abstracts received so far is 142
- Research Associate is pursuing Ph.D under the project

ICT tools

- We have created 40 modules in **Structural Engineering under National Resource Centre (NRC) for SWAYAM**. This is prepared using the separate grant apart from TLC.
- Conducted one week exclusive module on “**ICT tools for teaching**” during 3 Faculty Induction Programs (FIPs).
- Conducted the program “Teaching, Learning & and Assessment with MOOCs & Open Educational Resources: Hands-on Approach “, for faculty members of all disciplines from 16th March to 22nd March, 2019(7 Days)

- Conducted the program “Teaching, Learning and Assessment with MOOCs & Open Educational Resources: Hands-on Approach” from 16th to 20th November, 2019(5 Days).

Feedback and Monitoring Mechanism

● **Participants Feed Back**

Feedbacks are collected for all programs & courses on the final day of the courses. The feedbacks are discussed in the weekly meetings TLC team and necessary action points are decided based on the participants feedback.

● **Monitoring Mechanism of CIT – TLC Activities & Progress**

- ☒ MHRD – Video Conferencing Meeting with PMMMNMTT scheme officials
- ☒ In Institute – Weekly review meeting with Project Coordinator (PI), Project Officers and other TLC team members
- ☒ Senior Advisory Committee Meeting

● MOUs and Colloboration

As it was observed from the participants for previous programs that participation from Tamil Nadu and other south Indian states were very less. Hence it was decided to expand the activities of CIT-TLC through Cluster Centre approach to reach out to rural colleges and technical institutions in other states. Four technical institutions were identified as a cluster centers to carry out the activities of CIT-TLC. MOU has been signed between these four institutes they are:

- **Thiagarajar College of Engineering , Madurai, Tamil Nadu**
- **NSS College of Engineering, Palakkad, Kerala**
- **VidyaVardhaka College of Engineering, Mysuru, Karnataka**

CIT-TLC Brief Report

01.01.2018 to 25.11.2019

- **College of Engineering ,Trivandrum, Kerala**

Number of programs conducted at cluster centers'

- VidyaVardhaka College of Engineering, Mysuru, Karnataka – 6
- NSS College of Engineering, Palakkad, Kerala – 3
- Total Beneficiaries – 342
- Kerala – 113 & Karnataka - 229

Best Practices

- No formal inaugural/valedictory functions(except FIP's) , thereof saving huge grant funds
- Only e-copy of brochures has been used for circulation. No printing of brochures and Flex boards for programs.
- For high intense programmes, the response is three to four times of the target participants
- Attendance percentage and assessment marks are printed in the certificates
- CIT-TLC logo has been designed and used across for branding and identity of TLC
- Mobile phones are not allowed inside the training hall
- Reached good milestone in the short duration of one and a half years
- Transparency in selection of applicants
- All financial transactions are through online banking only
- Out bound training & Yoga incorporated for FIP's
- Academic Leadership Development Programmes were organized exclusively for Principals, Directors, Deans and HOD's
- As per the directions of MHRD, "LEAD INDIA 2020" team was invited for conducting training in FIP's, through which they got further invitations from North East region
- Courses are planned and executed based contemporary Academic needs.
- On time disbursement of remuneration to the experts and vendors

TLC Building Status

- The present status of TLC building is wall plastering. The building is likely to be

completed in the month of December 2019.

Infrastructure Created by the centre

- Computer Lab with All in one Desktop Computer: 30 Nos.
- Laptop: 2 Nos.
- Printer: 1 No.)

Income & Expenditure

Financial support from CIT Management

Opportunities for continued progress of the centre

- Courses offered by CIT - TLC receives overwhelming response
- Facilities to offer courses for all five Sothern states.
- Huge demand for courses like AI, Machine Learning, Deep Learning, Optimization Techniques, Big Data, MOOCs etc.
- Training can be extended to polytechnic teachers and other segments like ITIs

Dr. V. Manikandan.,

R. No: 112, Project Coordinator / PI

Teaching Learning Centre,

Coimbatore Institute of Technology,

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Lt General (Dr) Rajesh Pant,
PVSM AVSM VSM (Retd)
National Cyber Security Coordinator &
Special Secretary to Government of India
Tel. : 011-23747965, 011-23451306
E-mail : ncsc@gov.in



Government of India
National Security Council Secretariat
2nd Floor, Sardar Patel Bhavan,
Sansad Marg, New Delhi - 110001

D.O. No.090/D/NCSC/2021

9th August, 2021.

Dear Dr Manikandan,

1. I am thankful to you for inviting me to inaugurate the Cyber Security Center of Excellence at Coimbatore Institute of Technology, Coimbatore. I will be happy to inaugurate the Center virtually at 12:00 P.M. on Monday, the 23rd August, 2021. Please send link for the inauguration to my email - 'ncsc@gov.in'.

2. My compliments to your team for creating such a unique Cyber Range which will be a harbinger for a safe and secure national cyberspace.

With best wishes,

(Rajesh Pant)

Dr. V. Manikandan,
Professor / EEE,
Dean (Planning),
Coimbatore Institute of Technology,
Coimbatore-641014.
Manikantan.cit@gmail.com, manikandan@cit.edu.in

Job

Oriented Cyber Security Professional Programs

**GET SKILLED
BE EMPLOYABLE**



CIT – TLC Center of Excellence in Cyber Security



Coimbatore Institute of Technology
Teaching Learning Centre



SkillSDA®
Center for advance training

About CIT –TLC

Coimbatore Institute of Technology, established in 1956, is one of the most reputed and prestigious educational institution in India situated in the entrepreneurial city of Coimbatore. CIT has been granted Teaching Learning Centre (TLC) under PMMMNTT Scheme, MHRD, GOI in the year 2018. CIT - TLC is established with the objective to improve the quality of teachers of technical education institutions in the region of Tamil Nadu (West), Kerala, Karnataka, Andhra Pradesh and Puducherry. From its inception in the year 2018 till date, the Centre has served the training needs of around twelve thousand three hundred and fifty-eight teachers & students (12,358) Pan India. CIT-TLC is continuing its activities in the area of faculty training focusing in the thrust areas of Academic, Research and Management (ARM).

As its next milestone, CIT-TLC has initiated a new vertical in the domain of Cyber Security in-line with National Cyber Security Strategy 2020. CIT-TLC has established the “Centre of Excellence” (CoE) in Cyber Security with the support of TATA Consultancy Services (TCS) and SkillsDA, Chennai for capacity building in Cyber Security and developing students to be employable cyber security professionals.

Center of Excellence in Cyber Security (CoE) at CIT

The field of cyber security brings in many job opportunities as organizations are always on the lookout for skilled professionals, who can protect the companies' information and ensure that data is not breached. There has been tremendous growth in the number of cyber security jobs in the near future. CIT-TLC- CoE -CS is established to bridge the skill gap in cyber security domain and thereby satisfy the industry requirement for wide range of cyber security roles.

The cyber security CoE facility at CIT-TLC has a new 20,400 sq. ft. building with the state- of - art - facilities. The center has Smart City Simulator including Aviation Security Simulation, Virtual Labs, SOC Simulation Lab, Hyacinth Lab, Training rooms, Conference room and a Simulator where trainees can participate in experiential & Hands- on- Learning. SkillsDA, is the knowledge partner and collaborator in the CoE and all the trainings are conducted by highly experienced Trainers & Mentors from SkillsDA. SkillsDA is a unique platform that brings Academia, Industry and Skilled staff together to delight the end Customers. SkillsDA in association with ISAC has been mandated by AICTE to create capacity building of 100,000 (1 Lakh) Cyber Security Professionals. SkillsDA is part of the eco system with ISAC and Cyberange that has a PPP with NCIIPC and MOUs with AICTE and CERT for capacity building in cyber security as part of the Nation's Security



These courses are offered to the students in the final and pre-final year of any STEM course and to students who have just passed out of the college. These courses are curated by the industry and developed by SkillsDA in preparation to make the students job ready.

S.No	Course	Curriculum	Labs & Tools	Training Duration
1	Basic Cyber Security Concepts	Fundamentals of Cyber Security Networking Security Testing Access Management Incident Management & Response Security Operations	Kali Linux	45 Hours
2	Enterprise Vulnerability Management	Vulnerability Management Lifecycle Scanning, Remediation Penetration Testing Understanding Reconnaissance & Enumeration for Penetration Testing White hat, Black Hat, Grey Hat Pen testers VAPT Platform support Device Implementation, Migration, Up gradation	Nmap, Qualys Guard, Metasploit , BurpSuite	60 Hours
3	Identity Access Management	IAM/PAM tool implementation IAM/PAM tool Administration IAM/PAM tool console monitoring User Access Provisioning/Deprovisioning IAM/PAM tool Up gradation IAM/PAM tool Migration	Sailpoint , CyberArk , OKTA, Ping Federate	60 Hours
4	Cognitive Threat Management	SOC Implementation & Migration SOC Monitoring SOC Incident Management Ude Case Deployment Log source/Device Integration SOC Platform Support SOC Up gradation EDR Implementation & Migration EDR console Monitoring EDR Rules Definition, review, Fine-tuning EDR platform Support EDR Up gradation Firewall, Proxy, IDS/IPS Implementation & Migration Rule definition, review, fine-tuning Basics of NAT Firewall/Proxy/IDS/IPS platform support Device up gradation	Splunk, Carbon Black, Wireshark, Snort	60 Hours
5	Governance Risk Compliance	Basic Understanding of GRC Policy and Compliance Audit Management Risk Management Vendor Risk Management	Open Source	60 Hours
6	Professional Certification on work place ethics	This program aims to empower the participants to analyze the risks of unethical or illegal behavior triggered by severe circumstances.	Clean Exit	10 Hours
Certification / Assessment - 05 Hours				

Delivery

All courses will be delivered in a blended format. Students will be provided with e-learning access to learn the topics in a self-paced manner and also attend classes in our Virtual Instructor-Led Training (VILT) Mode as per the calendar that will be released.

Assessment & Certification

- Assessment will be done at the end of every course as Knowledge Check.
- Students will be provided with course completion certificate.
- Students will be provided with NASSCOM FUTURESILLS and SkillsDA joint certificate.
- Students will be provided with Clean Exit Ethics certificate.

Internship & Job Opportunities

- Every student who completes the course will be given the choice to do an internship.
- Students who successfully complete the course with good score, will have a very high chance to get the job offer from TCS.

Price

Foundation + Vulnerability Management
Foundation + Identity and Access Management
Foundation + Cognitive Threat Management
Foundation + GRC and Risk Management

Each course is priced at

Rs.39, 530.00

all inclusive (Rs.33, 500 + 18 % GST)

Cost includes

E-learning access for 6 months + Virtual Instructor led training + Virtual labs access + Training on simulator + Assessment + Certifications.

Qualification

CIT-TLC-CoE-CS and SkillsDA will jointly conduct a pre training assessment of students based on which selected students can enrol themselves for the courses.

**THE BATCH STARTS BY
SEPTEMBER 2021**

APPLY NOW



Contact Details

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Civil Aerodrome Post, Coimbatore,
Tamil Nadu, India - 641 014

 (+91) 70942 96969, (+91) - 422 -2574072

 www.citybercoe.in | info@citybercoe.in

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Chennai - 600096

 (+91) 9090599696

 enquiry@skillsda.com | www.skillsda.com



Job Oriented Professional Training Program on Cyber Security



SkillsDA[®]
Center for advance training



CIT - TLC has established the “Center of Excellence”(CoE) in Cyber Security with the support of TATA Consultancy Services (TCS), SkillsDA Chennai & Information Sharing Analysis Center (ISAC) for capacity building Cyber Security and developing students to be employable cyber security professionals.

Job oriented training certification for students

Training by SkillsDA Chennai. Certification by ISAC.

Total 100 Hours of training program for Graduate Engineers and 6th, 7th, 8th Semester students.

TCS Assessment & hiring in two categories - Low Talent and High Talent

Training on Cyber Security Tools :

Sail Point, Cyber Ark, Ping Federate, Splunk

Course Module

- Foundation Course in Cyber Security
- Cyber Security Tools



Training by certified instructors



Trained to be industry ready cyber security professional



Course is priced at Rs.53,100.00 (inclusive 18% GST)



Training with Hands-on Labs and students will be provided with ISAC Certification

Mode of Delivery

All course will be delivered in a blended format. Students can attend classes in virtual instructor led training (VILT) mode and access to virtual labs.

Testimonials : 12 Students are placed in TCS

“Batch starts in May 2022”

Register Now

<https://citcybercoe.skillsdalms.com/login/index.php>

Coimbatore Institute of Technology

www.citcybercoe.com

📍 Civil Aerodrome Post, Coimbatore, – 641014

☎ (+91) 7094296969

✉ infocybercoe@cit.edu.in

Very few seats available

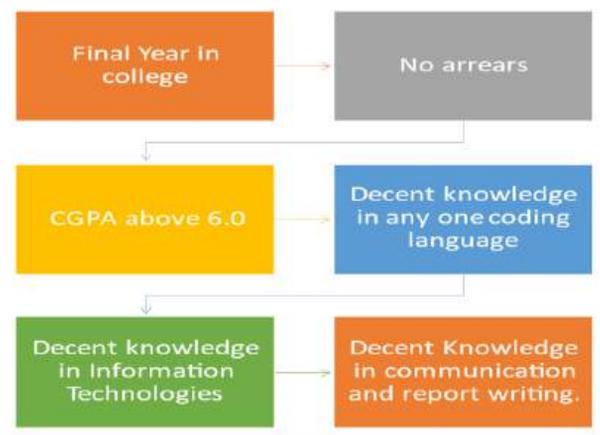
**Admission on first come first admit basis*

Course snapshot

- IAM/PAM tool implementation
- IAM/PAM tool Administration
- IAM/PAM tool console monitoring
- User Access Provisioning/Deprovisioning
- Manual Access Provision
- IAM/PAM Lifecycle
- IAM/PAM Architecture
- User Access Management



Pre- Requisites

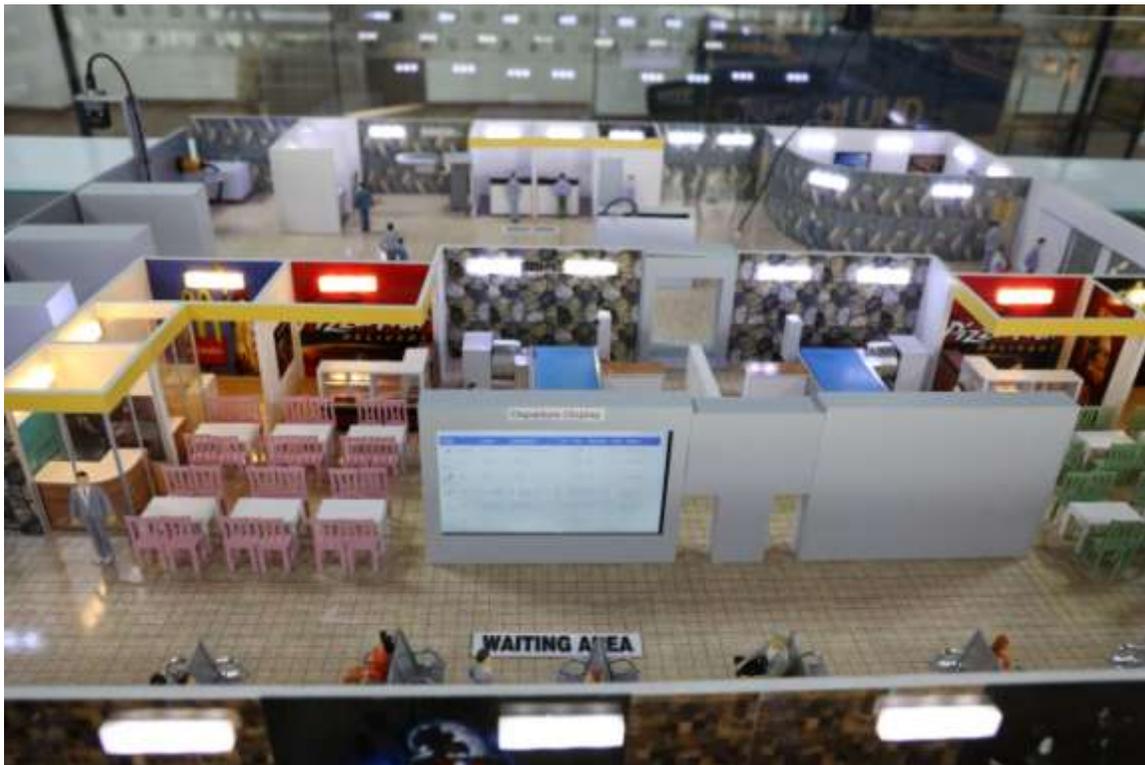


Duration and knowledge checks

 COURSE WILL BE CONDUCTED FOR 100+ HOURS	 EVERY HOUR WILL BE BY A TUTOR	 MONDAY – FRIDAY (EVENING OR MORNING) TWO HOUR PER SESSION
 QUIZ AND KNOWLEDGE CHECK WILL BE CONDUCTED ON ALL TOPICS COVERED	 MINIMUM 95% ACTIVE ATTENDANCE IS REQUIRED	 MINIMUM 80% MARKS MUST BE ACHIEVED ON QUIZ, TEST AND PROJECT.



CENTER OF EXCELLENCE IN CYBER SECURITY LAB PHOTOS



CENTER OF EXCELLENCE IN CYBER SECURITY LAB PHOTOS





1st - 3rd July 2023



IOT & SCADA PENETRATION TESTING

10:00 AM - 05:00 PM | CIT, COIMBATORE



Your benefits :

- + Includes 3-day stay
- + Includes Breakfast & Lunch
- + Includes Certification
- + Hands-on case studies
- + Real-world Labs
- + 30 Days Virtual Cyber Range
- + Instructor-Led Bootcamp
- + Training Certificate

INR 30,000/-



**COIMBATORE INSTITUTE OF TECHNOLOGY,
COIMBATORE**

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)



BOOTCAMP ON IOT AND SCADA PENETRATION TESTING
Organized By CIT-TLC with ISAC

TEACHING LEARNING CENTRE

(Under Pandit Madan Mohan Malaviya Mission on Teachers & Teaching Scheme)

Invites you to the Bootcamp on IoT and SCADA Penetration Testing



01.07.2023



09.30 am



TLC BLOCK

Programme

Prayer

Welcome Address

Dr. V. Manikandan,
Course Coordinator, CIT-TLC.

Address by the Guest of honour

Mr. Aanand Pola Naidu
Director, ISAC.

Presidential Address

Dr. A. Rajeswari,
Principal, CIT

Vote of Thanks

~~~~ALL Are Invited~~~~

CYBER SECURITY BOOTCAMP PHOTOS



CYBER SECURITY BOOTCAMP PHOTOS



CYBER SECURITY BOOTCAMP PHOTOS





Malaviya Mission - Teacher Training Programme

NEP Orientation & Sensitization Programme

Strengthening the Role of the Faculty Members in Higher Education

October 09 2023 to October 18 2023

An 8-day Programme (2-week equivalent)
Week 1: 9 - 13, Oct 2023,
Week 2: 16 -18, Oct 2023

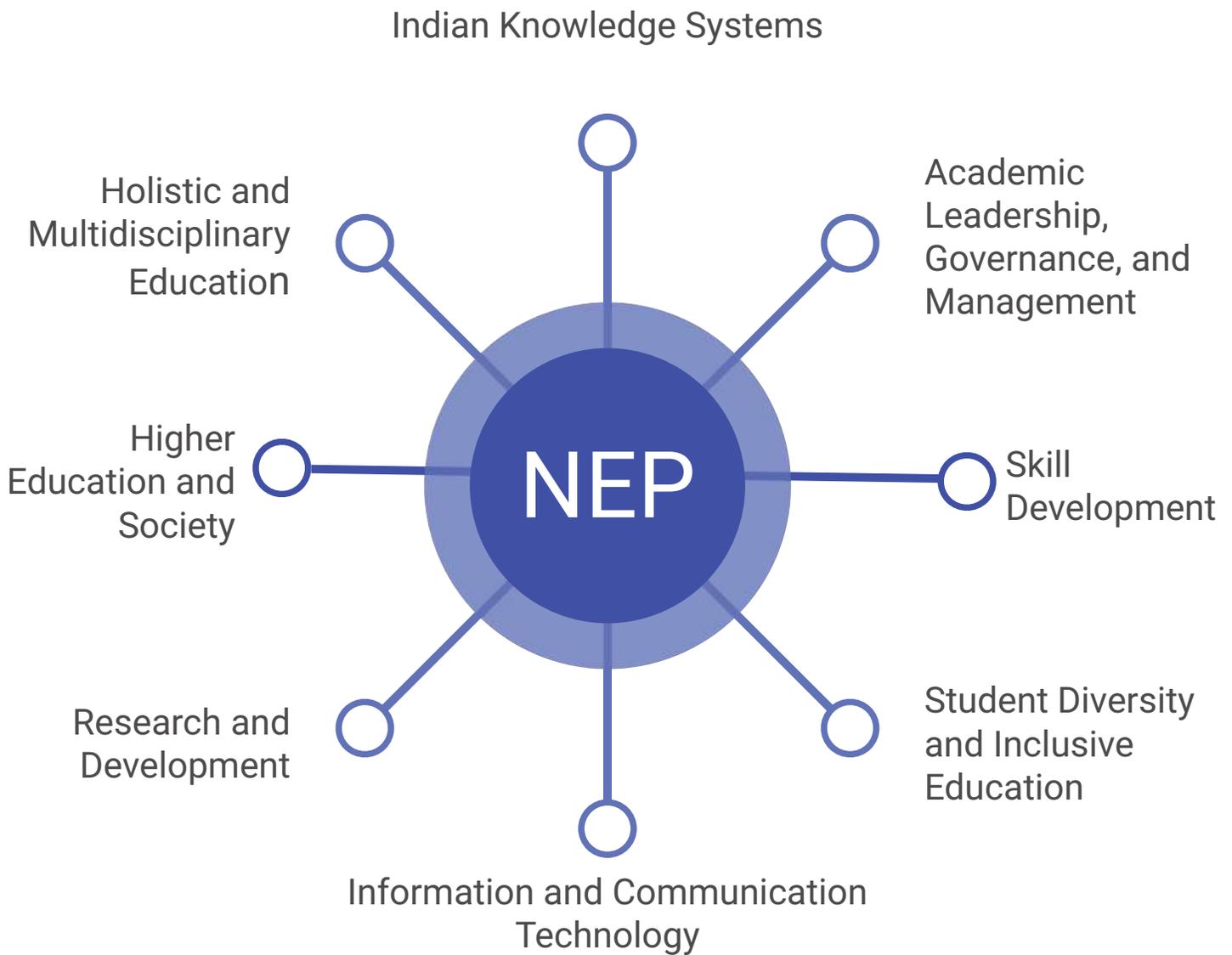
Mode: Online
Duration: 2 sessions @ 90minutes per day

Benefits: The NEP course shall be taken into consideration for CAS

Malaviya Mission Teacher Training Centres (MMTTC)
(Formerly Teaching Learning Centre)
Coimbatore Institute of Technology

(Government Aided Autonomous Institution)
(Approved by AICTE, Affiliated to Anna University)

Themes Identified for NEP Orientation



Resource Person

Prof. Indoo Pandey Khanduri

- Hemwati Nandan Bahuguna Garhwal University, Garhwal
- Indian Knowledge System, Holistic and Multidisciplinary Education, Academic Leadership, Student Diversity and Inclusive Education

Prof. R. G. Kothari

- The Maharaja Sayajirao University of Baroda, Vadodara
- Research and Development, Higher Education and Society

Dr Pankaja Kaushik Ghai

- University of Delhi
- Indian Knowledge System

Prof. Yoginder Varma

- Himachal Pradesh University, Shimla
- Indian Knowledge System, Skill Development

Dr Amrendra Pani

- University of Delhi
- Research and Development, Higher Education and Society

Prof. Neeraja Gupta

- Vice Chancellor, Gujarat University
- Indian Knowledge System, Holistic and Multidisciplinary Education, Student Diversity and Inclusive Education, Higher Education and Society

Dr. Sankara Narayan Paleeri

- University of Calicut, Kozhikode
- Indian Knowledge System & Information and Communication Technology

Dr. Debasish Biswas

- Jadavpur University
- Academic Leadership, Governance, and Management

Dr. B. Charumathi

- Pondicherry University
- Higher Education and Society

Prof. Ramachandraiah Allikayala

- NIT Warangal
- Research and Development, Higher Education and Society

Who should attend the course

- Faculty Members in Higher Education Institutions

Why should attend

- For faculty members, a two-week online capacity-building program has been meticulously designed to go along with NEP 2020's fundamental components.
- It focuses a high priority on faculty members' continuous professional development while providing a forward-looking orientation across many themes of NEP 2020.
- The UGC is on the initiative that attending such programmes by the college teachers is mandatory to understand the nuances of the policies/avenues detailed in NEP 2020

Incentive for faculty members

All short-term and long-duration capacity-building programmes for teachers/faculty ranging from one week to one month as well as seminars, workshops in different pedagogic and discipline-specific areas being conducted under Malaviya Mission Teacher Training Programme shall be taken into consideration for fulfillment of the requirements as laid down in Career Advancement Scheme as per UGC Regulations on Minimum qualifications for appointment of teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2018.

About Malaviya Mission Scheme

- The Ministry of Education (MoE) has sought strengthening of the synergy and integration between HRDCs and PMMMMNMTT centres in order to meet the objective of NEP 2020.
- Keeping in view the optimal utilization of infrastructure, human and financial resources and renaming and popularizing the entire capacity building effort as Malaviya Mission (MM).
- As a part of the Malaviya Mission 111 institutions have been identified. These centres will be called as Malaviya Mission Teacher Training Centres (MMTTC).

Vision

To build competencies in the faculty for better teaching, learning and research by exposing them to Indian values, updating knowledge and skills, and aligning teaching, learning and research with the needs of society and NEP 2020.

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In 2023, Teaching Learning Centre is renamed as “Malaviya Mission Teacher Training Centre”

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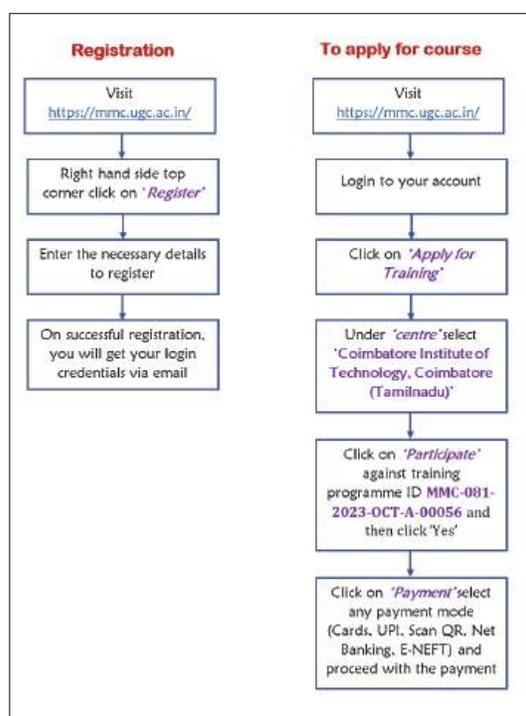


How to apply for the course

Course Fee

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- Detailed steps to for the course is given in the flowchart or Please click the link below
- https://drive.google.com/file/d/1vWlhsi_cgVeEmwzbamjOuuYetkD9goxx7/view?usp=sharing

- Rs.1000.00 (Please visit <https://mmc.ugc.ac.in/> payment page and make payment online)
- Mode: Online payment only (Cash - Not accepted)
- Payment options: Credit / Debit, UPI, Scan QR, Net Banking and E-NEFT



- Documents Required for Registration (Scanned Copy)
- Photo (jpeg)
 - ID Card Proof (pdf)
 - Nomination Letter (pdf)

Institute Administration

Contact Details

- Mr.S.Rajiv Rangasami, Correspondent – CIT
- Ms.K.DivyaMohana Rajiv, Coordinator – CIT
- Dr.R.Prabhakar, Secretary – CIT
- Dr.V.Selladurai, Adviser – CIT
- Dr.A.Rajeswari, Principal – CIT
- Dr.M.Thirumarimurugan, Administrative Officer - CIT

Dr.V.Manikandan
Course Coordinator, MMTTP
Coimbatore Institute of Technology
Coimbatore - 641 014
Email: tlcpc@cit.edu.in

Everyday program will start from 4:30 PM onwards. The exact schedule will be shared for registered participants.



Malaviya Mission - Teacher Training Programme

NEP Orientation & Sensitization Programme

Strengthening the Role of the Faculty Members in Higher Education

November 13 to 22, 2023

An 8-day Programme (2-week equivalent)

Week 1: 13 to 17, November 2023,

Week 2: 20 to 22, November 2023

Mode: Online

Duration: 2 sessions @ 90minutes per day

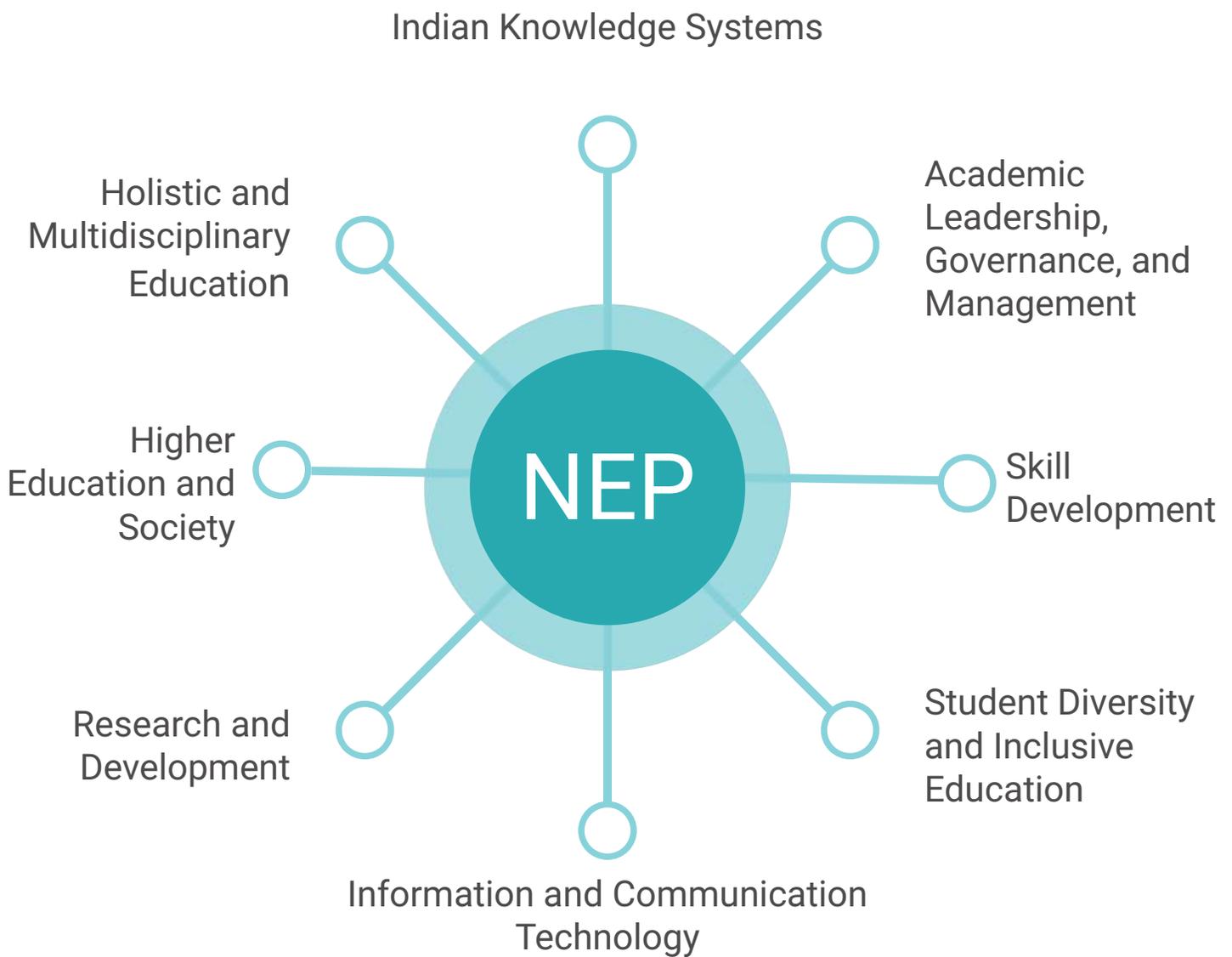
Benefits: The NEP course shall be taken into consideration for CAS

Registration due date : 12th November 2023 @ 10:00 PM

Malaviya Mission Teacher Training Centres (MMTTC)
(Formerly Teaching Learning Centre)
Coimbatore Institute of Technology

(Government Aided Autonomous Institution)
(Approved by AICTE, Affiliated to Anna University)

Themes Identified for NEP Orientation



Resource Person



Dr. B. Charumathi

- Pondicherry University
- Academic Leadership



Prof. K. Srinivas

- National Institute of Educational Planning and Administration (NIEPA)
- Information & Communication Technology (ICT)



Prof. Jagdish Khatri

- Mandsaur University, India
- Indian Knowledge System



Dr Shakila T Shamsu

- Advisor (Special), Education Policies
- Higher Education & Society



Shyamal Kumar Das Mandal

- Indian Institute of Technology, Kharagpur
- Holistic & Multidisciplinary Education



Vageshwari Deswal

- University of Delhi
- Student Diversity and Inclusive Education



Dr. Gyan Prakash Singh

- Banaras Hindu University, Varanasi, Uttar Pradesh
- Research & Development



P.K. Ghosh

- Indian Institute of Technology, Roorkee
 - Skill Development
-
- 

Who should attend the course

- Faculty Members in Higher Education Institutions

Why should attend

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Incentive for faculty members

All short-term and long-duration capacity-building programmes for teachers/faculty ranging from one week to one month as well as seminars, workshops in different pedagogic and discipline-specific areas being conducted under Malaviya Mission Teacher Training Programme shall be taken into consideration for fulfillment of the requirements as laid down in Career Advancement Scheme as per UGC Regulations on Minimum qualifications for appointment of teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2018.



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In 2023, Teaching Learning Centre is renamed as “Malaviya Mission Teacher Training Centre”

”

Who can attend the Course

- Faculty (UG & PG) from State and Central Universities, Colleges, Constituent Colleges, Private Colleges, Polytechnic Colleges, and other institutions are eligible

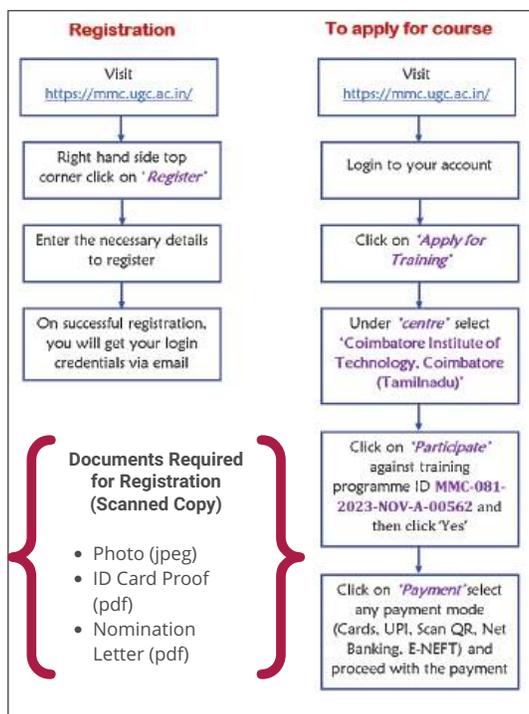


How to apply for the course

Course Fee

- To apply, visit <https://mmc.ugc.ac.in/>
- Detailed steps to for the course is given in the flowchart or Please click the link below
- https://drive.google.com/file/d/1vWlhsi_cgVeEmwzbamjOuuYetkD9goxx7/view?usp=sharing

- Rs.1000.00 (Please visit <https://mmc.ugc.ac.in/> payment page and make payment online)
- Mode: Online payment only (Cash - Not accepted)
- Payment options: Credit / Debit, UPI, Scan QR, Net Banking and E-NEFT



Guidelines to the participants

- All participants must register in the Malviya Mission Teacher Training portal
- **Portal URL: <https://mmc.ugc.ac.in>**
- The lecture will be delivered online.
- There will be an online assessment test consisting of multiple-choice questions (MCQs).
- Each participant must actively participate in all sessions.
- Only participants who successfully complete the 8-day program and pass the evaluation test will be granted an online certificate.

Institute Administration

Contact Details

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Course Coordinator, MMTTP
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Coimbatore - 641 014
Email: tlcpc@cit.edu.in



Malaviya Mission - Teacher Training Programme

NEP Orientation & Sensitization Programme

Strengthening the Role of the Faculty Members in Higher Education

December 04 to 13, 2023

An 8-day Programme (2-week equivalent)

Week 1: 04 to 08, December 2023,

Week 2: 11 to 13, December 2023

Mode: Online

Duration: 2 sessions @ 90minutes per day

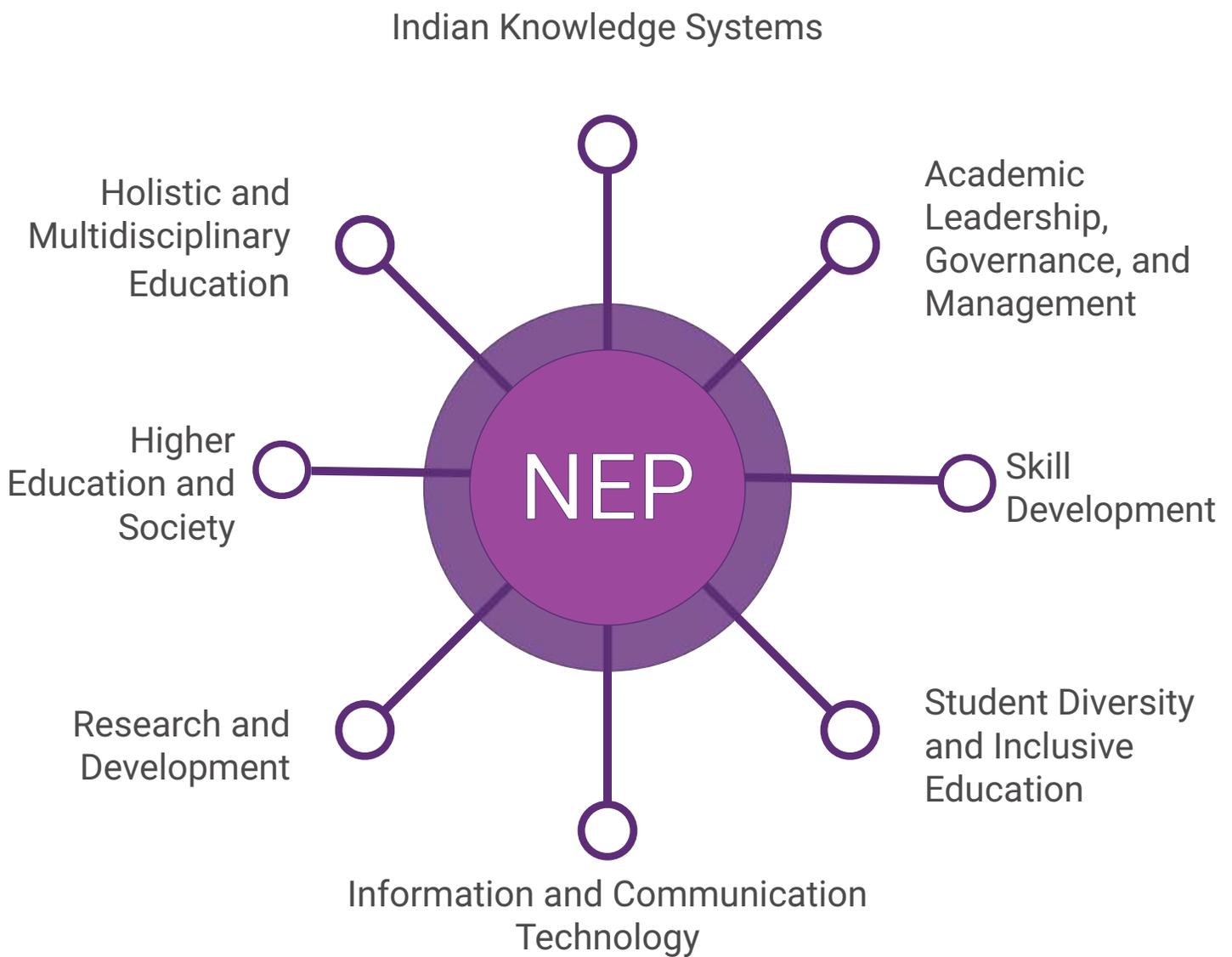
Benefits: The NEP course shall be taken into consideration for CAS

Registration due date : 03rd December @ 10:00 PM

Malaviya Mission Teacher Training Centres (MMTTC)
(Formerly Teaching Learning Centre)
Coimbatore Institute of Technology

(Government Aided Autonomous Institution)
(Approved by AICTE, Affiliated to Anna University)

Themes Identified for NEP Orientation



Who should attend the course

- Faculty Members in Higher Education Institutions

Why should attend

- For faculty members, a two-week online capacity-building program has been meticulously designed to go along with NEP 2020's fundamental components.
- It focuses a high priority on faculty members' continuous professional development while providing a forward-looking orientation across many themes of NEP 2020.
- The UGC is on the initiative that attending such programmes by the college teachers is mandatory to understand the nuances of the policies/avenues detailed in NEP 2020

Incentive for faculty members

All short-term and long-duration capacity-building programmes for teachers/faculty ranging from one week to one month as well as seminars, workshops in different pedagogic and discipline-specific areas being conducted under Malaviya Mission Teacher Training Programme shall be taken into consideration for fulfillment of the requirements as laid down in Career Advancement Scheme as per UGC Regulations on Minimum qualifications for appointment of teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2018.



About Malaviya Mission Scheme

- The Ministry of Education (MoE) has sought strengthening of the synergy and integration between HRDCs and PMMMMNMTT centres in order to meet the objective of NEP 2020.
- Keeping in view the optimal utilization of infrastructure, human and financial resources and renaming and popularizing the entire capacity building effort as Malaviya Mission (MM).
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To build competencies in the faculty for better teaching, learning and research by exposing them to Indian values, updating knowledge and skills, and aligning teaching, learning and research with the needs of society and NEP 2020.

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Who can attend the Course

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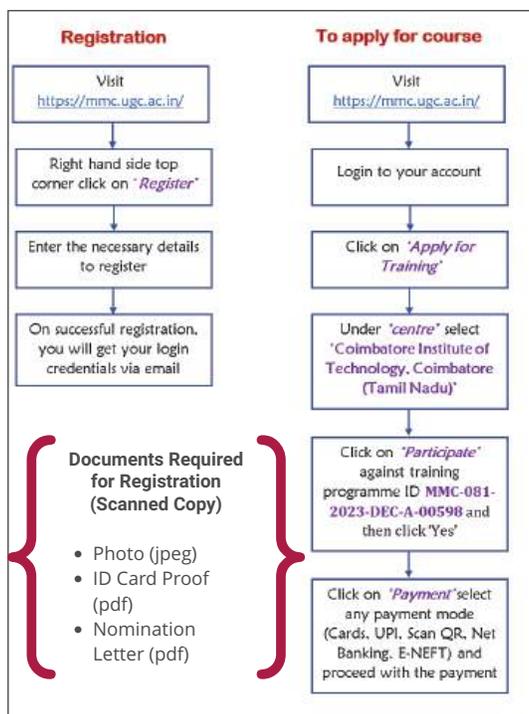


How to apply for the course

Course Fee

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- Rs.1000.00 (Please visit <https://mmc.ugc.ac.in/> payment page and make payment online)
- Mode: Online payment only (Cash - Not accepted)
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Guidelines to the participants

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Coimbatore - 641 014
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Malaviya Mission - Teacher Training Programme

NEP Orientation & Sensitization Programme

Strengthening the Role of the Faculty Members in Higher Education

January 01 to 10, 2024

An 8-day Programme (2-week equivalent)

Week 1: 01 to 05, January 2024,

Week 2: 08 to 10, January 2024

Mode: Online

Duration: 2 sessions @ 90minutes per day

Benefits: The NEP course shall be taken into consideration for CAS

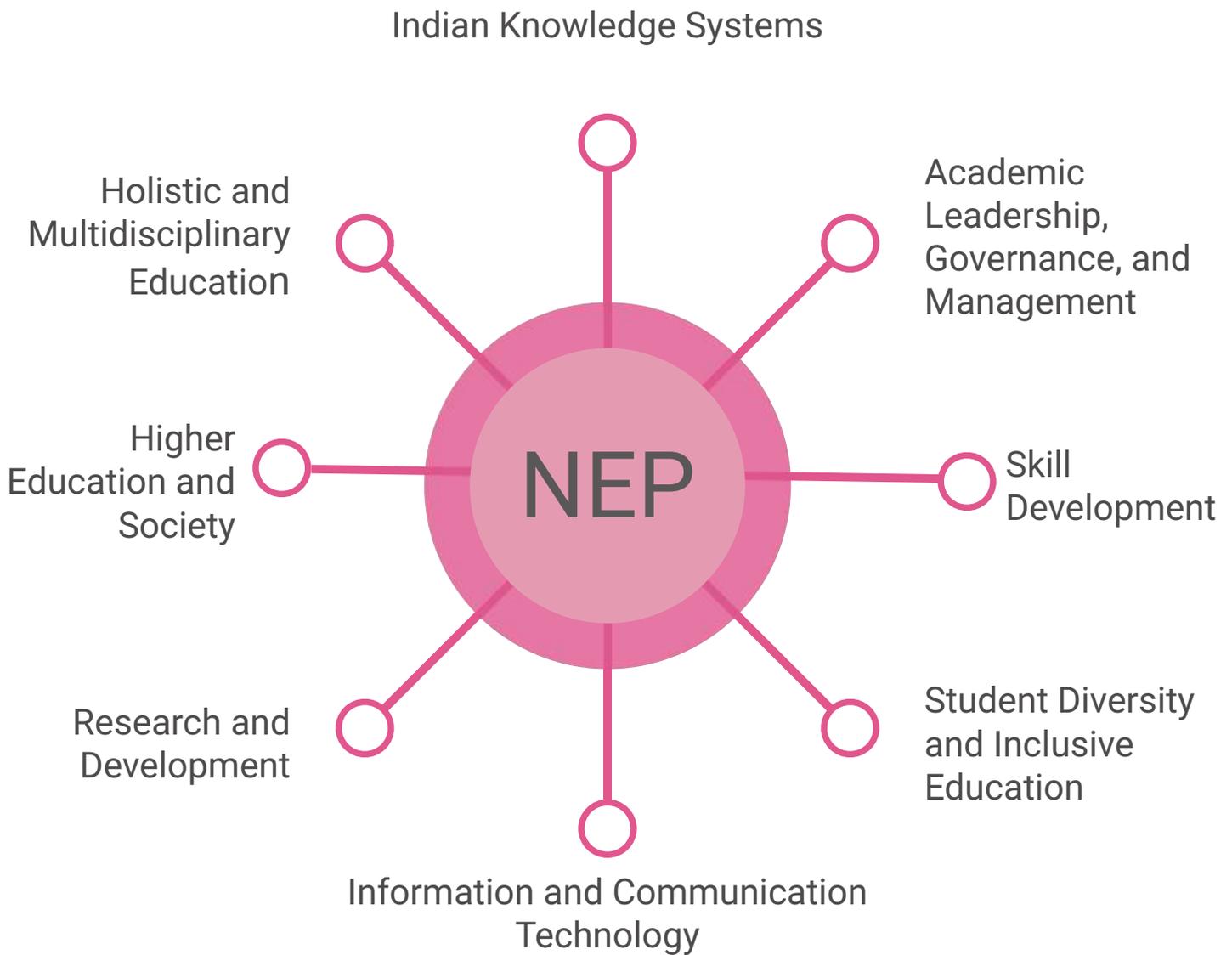
Registration due date : 31st December 2023 @ 10:00 PM

***There is no registration fee to attend the program W.E.F 11th Dec 2023 vide UGC
D.O.NO. F .I-512022 (CBC/Faculties) Pt. File.,Dt.11/12/2023***

**Malaviya Mission Teacher Training Centres (MMTTC)
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Coimbatore Institute of Technology**

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(Approved by AICTE, Affiliated to Anna University)

Themes Identified for NEP Orientation



Who should attend the course

- Faculty Members in Higher Education Institutions

Why should attend

- For faculty members, a two-week online capacity-building program has been meticulously designed to go along with NEP 2020's fundamental components.
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Incentive for faculty members

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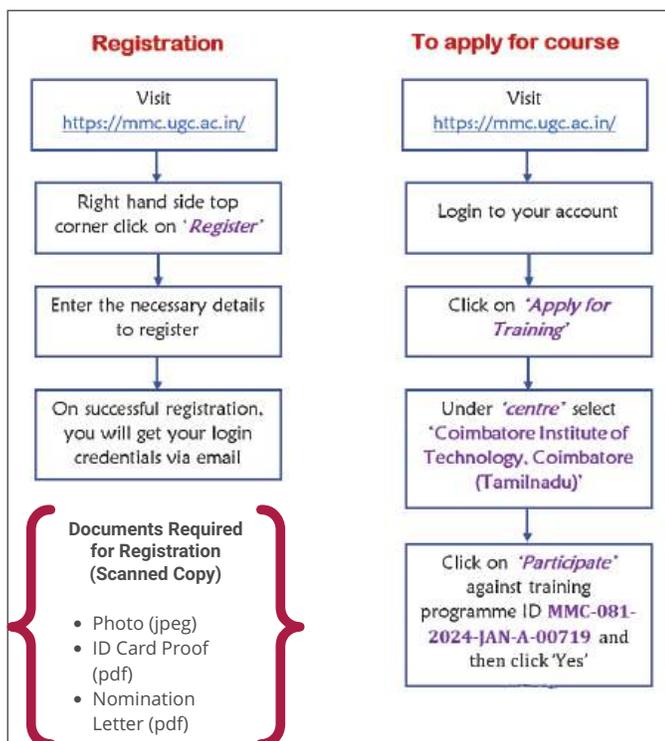


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Contact Details

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Malaviya Mission - Teacher Training Programme

NEP Orientation & Sensitization Programme

Strengthening the Role of the Faculty Members in Higher Education

February 12 to 21, 2024

An 8-day Programme (2-week equivalent)

Week 1: 12 to 16, February 2024,

Week 2: 19 to 21, February 2024

Mode: Online

Duration: 2 sessions @ 90minutes per day

Benefits: The NEP course shall be taken into consideration for CAS

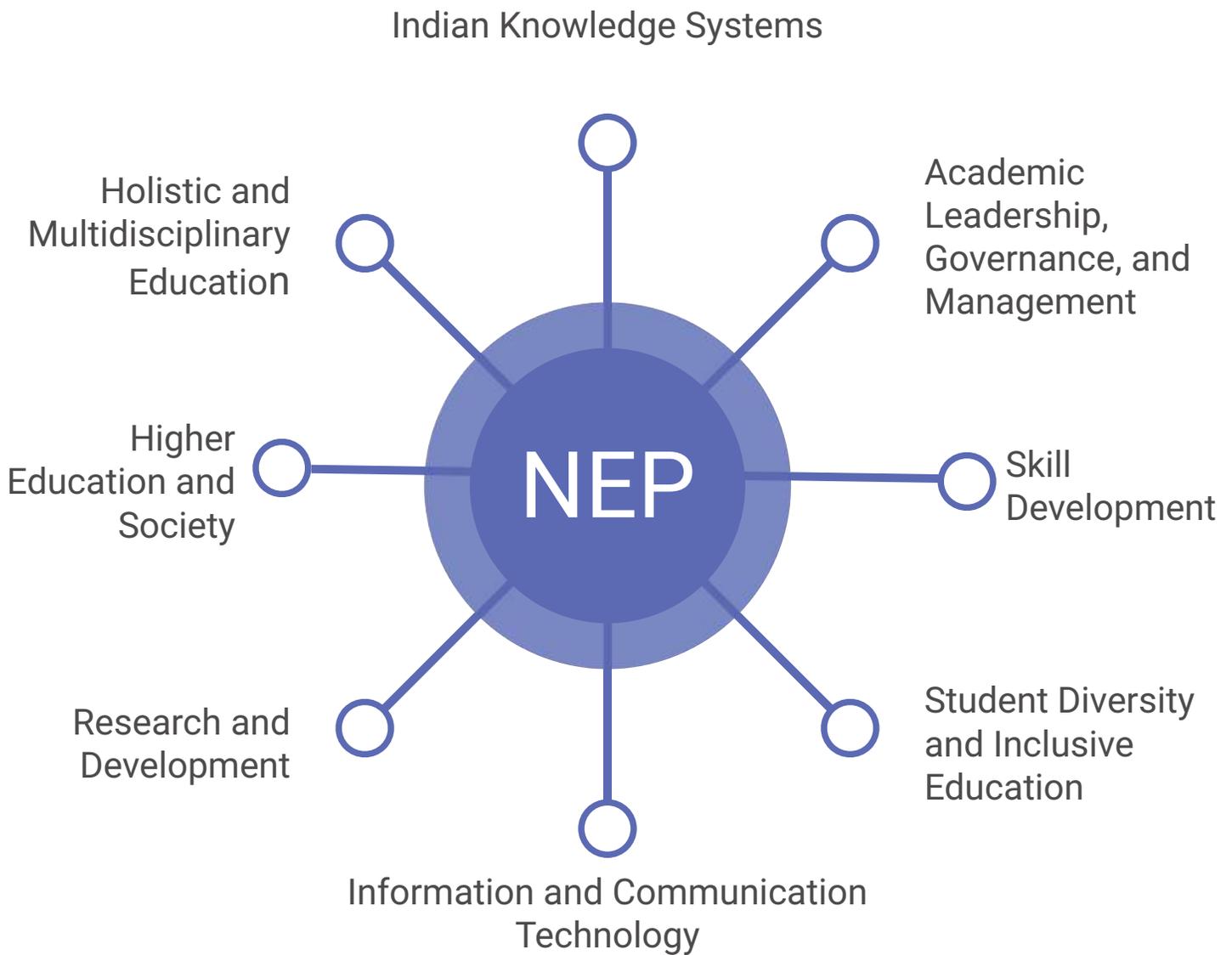
Registration due date : 11th February 2024 @ 10:00 PM

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D.O.NO. F .I-512022 (CBC/Faculties) Pt. File.,Dt.11/12/2023***

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Themes Identified for NEP Orientation



Who should attend the course

- Faculty Members in Higher Education Institutions

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To build competencies in the faculty for better teaching, learning and research by exposing them to Indian values, updating knowledge and skills, and aligning teaching, learning and research with the needs of society and NEP 2020.

About CIT

Coimbatore Institute of Technology (CIT) started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic excellence in Engineering and Technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. The institute has a reputation with service of competent, well qualified faculty and dynamic management to set highest standards in engineering research and development. CIT offers under graduate, post graduate and Ph.D. programmes with a global standard curriculum promoting the students to compete internationally.

“Coimbatore Institute of Technology has been granted the Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMMNMTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in December, 2017.

In 2023, Teaching Learning Centre is renamed as “Malaviya Mission Teacher Training Centre”

”

Who can attend the Course

- Faculty (UG & PG) from State and Central Universities, Colleges, Constituent Colleges, Private Colleges, Polytechnic Colleges, and other institutions are eligible

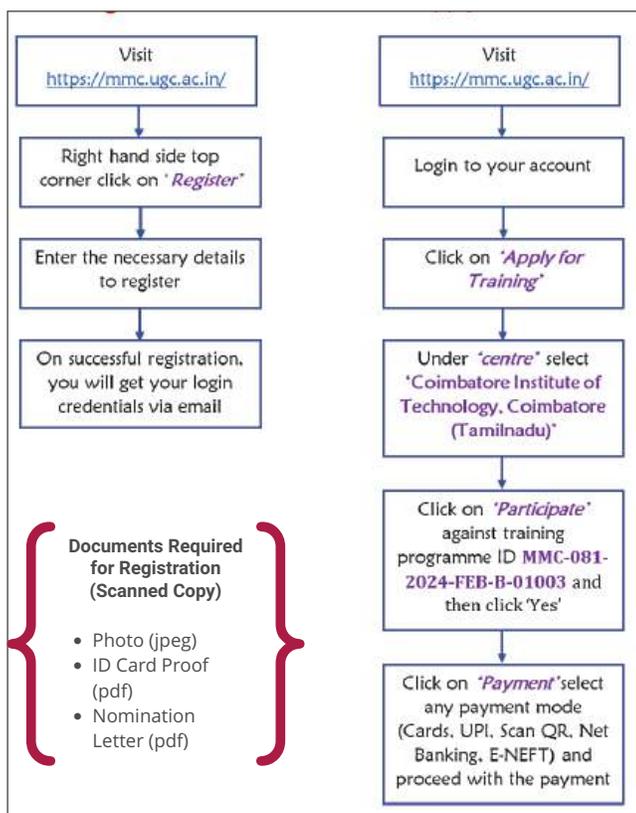


How to apply for the course

Course Fee

- To apply, visit <https://mmc.ugc.ac.in/>
- Detailed steps to for the course is given in the flowchart or Please click the link below
- https://drive.google.com/file/d/1vWlhsi_cgVeEmwzbamjOuuYetkD9goxx7/view?usp=sharing

- ***There is no registration fee to attend the program W.E.F 11th Dec 2023 vide UGC D.O.NO. F .I-512022 (CBC/Faculties) Pt. File.,Dt.11/12/2023***



Guidelines to the participants

- All participants must register in the Malviya Mission Teacher Training portal
- **Portal URL: <https://mmc.ugc.ac.in>**
- The lecture will be delivered online.
- There will be an online assessment test consisting of multiple-choice questions (MCQs).
- Each participant must actively participate in all sessions.
- Only participants who successfully complete the 8-day program and pass the evaluation test will be granted an online certificate.

Institute Administration

Contact Details

- Mr.S.Rajiv Rangasami, Correspondent – CIT
- Ms.K.DivyaMohana Rajiv, Coordinator – CIT
- Dr.R.Prabhakar, Secretary – CIT
- Dr.V.Selladurai, Adviser – CIT
- Dr.A.Rajeswari, Principal – CIT
- Dr.M.Thirumarimurugan, Administrative Officer - CIT

Dr.V.Manikandan
Course Coordinator, MMTTP
Coimbatore Institute of Technology
Coimbatore - 641 014
Email: tlcpc@cit.edu.in



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- Certificate will be given to the participant who successfully completes the 8-days program and MCQ test

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Sixth

NEP Orientation & Sensitization Program

Two week program through online mode

MARCH 18 - 27, 2024

under the aegis of

UGC - Malviya Mission Teacher Training Program

No Registration Fee



An 8-day Programme (2-week equivalent)

Week 1: 18 to 22, March 2024

Week 2: 25 to 27, March 2024

Mode: Online

Duration: 2 sessions @ 90minutes per day

Benefits: The NEP course shall be taken into consideration for CAS

Organized by:

Malaviya Mission Teacher Training Centres (MMTTC)

(Formerly Teaching Learning Centre)

Coimbatore Institute of Technology, Coimbatore

(Government Aided Autonomous Institution)

(Approved by AICTE, Affiliated to Anna University)



Guidelines to the participants

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- The lecture will be delivered online.
- There will be an online assessment test consisting of multiple-choice questions (MCQs).
- Each participant must actively participate in all sessions.
- Certificate will be given to the participant who successfully completes the 8-days program and MCQ test.

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Contact Details:

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 Course Coordinator, MMTTP
 Coimbatore Institute of Technology
 Coimbatore - 641 014
 Email: tlcpc@cit.edu.in

seventh

NEP Orientation & Sensitization Program

Two week program through online mode

April 22-30, 2024

under the aegis of

UGC - Malaviya Mission Teacher Training Program

No Registration Fee



Mode: Online

Duration: An 8-day Programme, 2 sessions @ 90minutes per day

Benefits: The NEP course shall be taken into consideration for CAS

Organized by:

Malaviya Mission Teacher Training Centres (MMTTC)

(Formerly Teaching Learning Centre)

Coimbatore Institute of Technology, Coimbatore

(Government Aided Autonomous Institution)

(Approved by AICTE, Affiliated to Anna University)



Eighth

NEP Orientation & Sensitization Program **Two week program through online mode** **16-24, May 2024**

Under the aegis of
UGC- Malaviya Mission Teacher Training Program

No Registration fee

An 8 Day Programme (Online)

Week 1: 16 to 18, May 2024, Week 2: 20 to 24, May 2024

Duration: 2 sessions@ 90 minutes per day

session 1- 2:00 pm to 3:30 pm

session 2- 3:45 pm to 5:15 pm

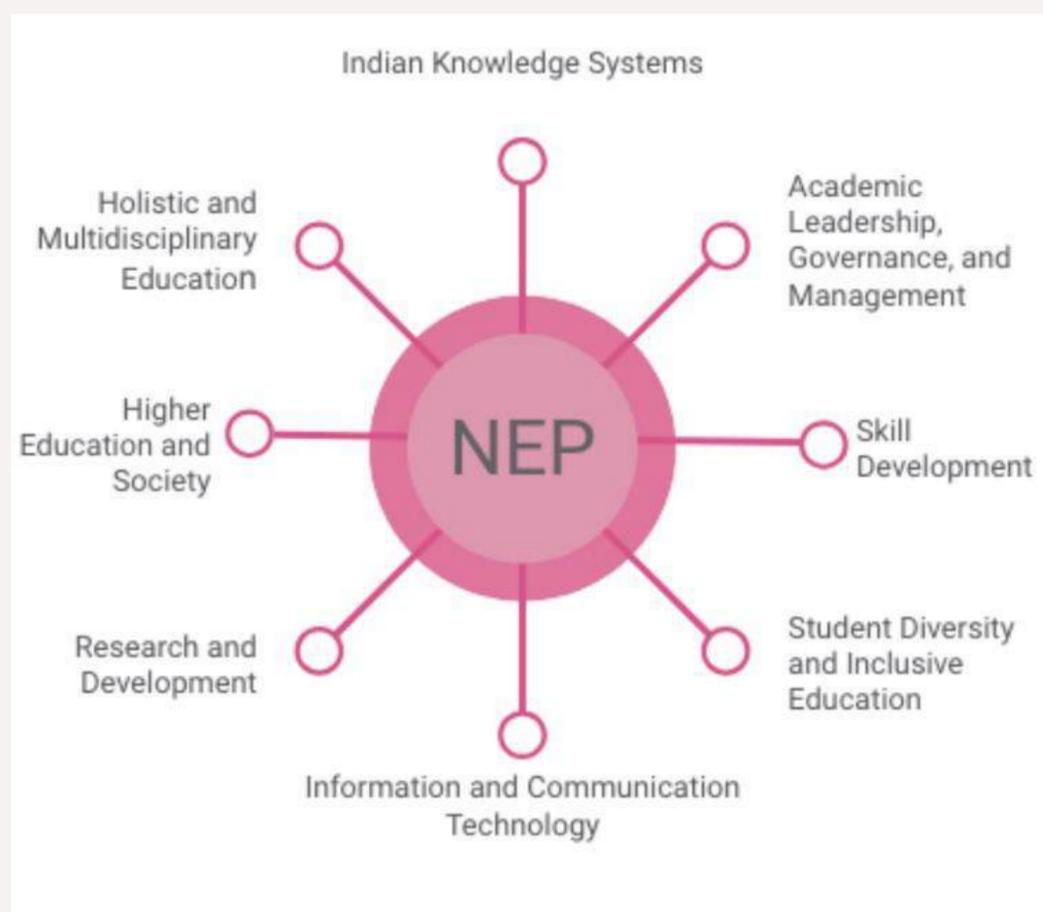
Benefits: The NEP course shall be taken into consideration of CAS

Organized by

Malaviya Mission Teacher Training Centre (MMTTC)
(Formerly Teaching Learning Centre)

Coimbatore Institute Of Technology

**(Government Aided Autonomous Institution Approved by AICTE, New Delhi
and Affiliated to Anna University, Chennai.)**



- ❖ *It will be organized as a fully on-line programme which the faculty will attend from their places of work. Hence, HEI faculty working anywhere in India are eligible to register for the programme.*

Guidelines to the participants:

- *All participants must register in the Malviya Mission Teacher Training portal*
- *Portal URL: <https://mmc.ugc.ac.in>*
- *The lecture will be delivered online.*
- *There will be an online assessment test consisting of multiple-choice questions (MCQs).*
- *Each participant must actively participate in all sessions.*
- *Only participants who successfully complete the 8- day program and pass the evaluation test will be granted an online certificate.*

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Nineth

NEP Orientation & Sensitization Program **Two week program through online mode** **10-19, June 2024**

Under the aegis of
UGC- Malaviya Mission Teacher Training Program

No Registration fee

An 8 Day Programme (Online)

Week 1: 10 to 14, June 2024, Week 2: 17 to 19, June 2024

Duration: 2 sessions@ 90 minutes per day

session 1- 2:00 pm to 3:30 pm

session 2- 3:45 pm to 5:15 pm

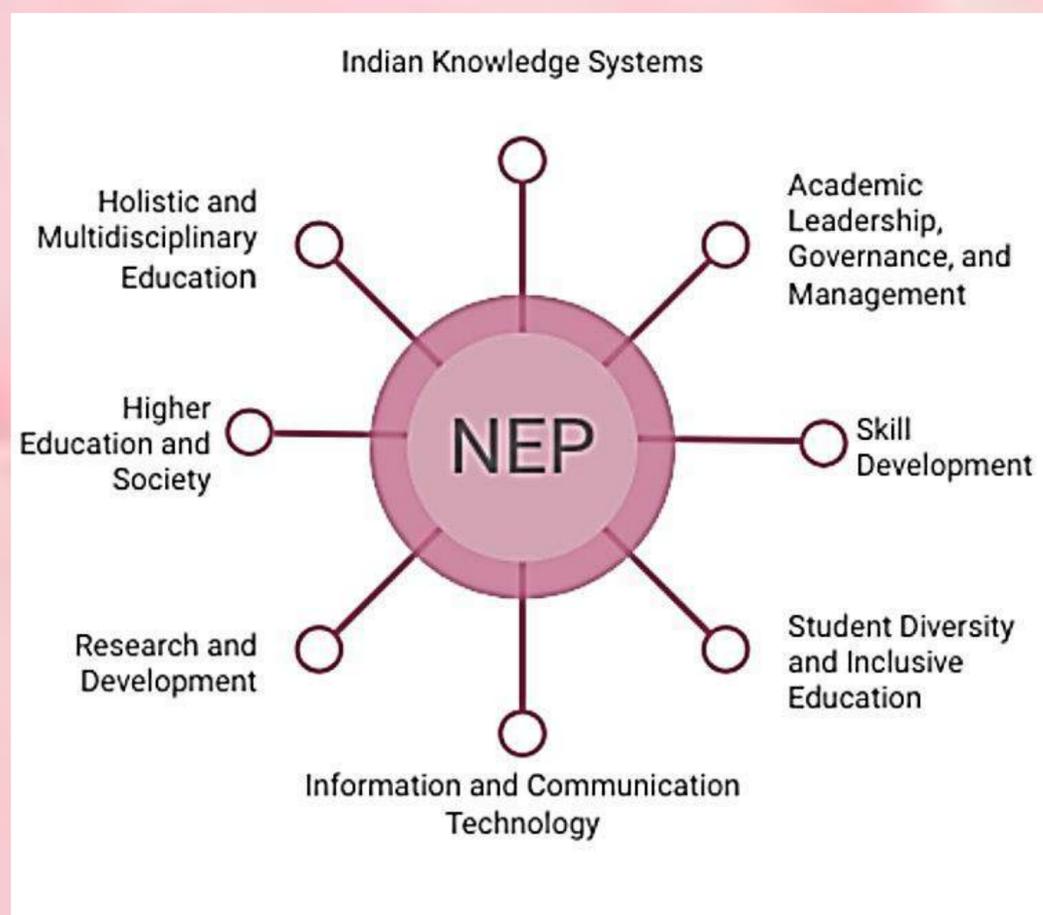
Benefits: The NEP course shall be taken into consideration of CAS

Organized by

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